

IMMEDIATE RESPONSE ACTION PLAN AND IMMINENT HAZARD ANALYSIS

**Walsh Field – Soccer Field Soil Removal
Parker and Hunter Streets, New Bedford, Massachusetts
Release Tracking Number 4-21823**

Prepared for:

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1.0 INTRODUCTION

On behalf of the City of New Bedford, Massachusetts (the “City”), TRC Environmental Corporation (TRC) has prepared this Immediate Response Action (IRA) Plan in accordance with 310 CMR 40.0424 of the Massachusetts Contingency Plan (MCP). The purpose of this IRA Plan is to outline the risk reduction measures that will be undertaken by the City at the Walsh Field property located adjacent to the intersection of Parker and Hunter Streets in New Bedford, Massachusetts, specifically relative to the Soccer Field (the “Site”). The Massachusetts Department of Environmental Protection (MassDEP) has assigned Release Tracking Number (RTN) 4-21823 to the Site.

Work performed under this IRA includes:

- Collection of supplemental soil samples to delineate the extent of soils containing lead;
- Preparation of an Imminent Hazard (IH) evaluation;
- Removal of lead-contaminated surface soil to a depth of three (3) feet within the area defined by soil sampling as a risk reduction measure;
- Replacement of the removed surface soil with documented contaminant-free soil;
- Ex-situ treatment of the excavated soil in order to facilitate reuse/disposal; and
- Transportation of remediation waste to an appropriate disposal/recycling facility.

The remaining sections of this document include information pertaining to the party assuming responsibility for the IRA (Section 2), release description, site conditions and surrounding receptors (Section 3), description of IRA activities to date (Section 4), the reason the IRA is required (Section 5) and the objective, plan and implementation schedule of the IRA (Section 6). In addition, information pertaining to remediation waste management (Section 7), environmental monitoring (Section 8), and Federal, State, and Local permits (Section 9) is included. This document also includes the seal and signature of the Licensed Site Professional (Section 10), other relevant information (Section 11) and references cited in preparing this document (Section 12).

2.0 PERSON ASSUMING RESPONSIBILITY FOR THE IRA

The party undertaking this IRA is:

The City of New Bedford, Massachusetts
133 William Street
New Bedford, MA 02740
Contact: Mr. Scott Alfonse
(508) 979-1487

Relationship to Site: Responsible Party (RP)

3.0 RELEASE DESCRIPTION, SITE CONDITIONS & SURROUNDING RECEPTORS

3.1 Site Description

The Soccer Field, located in the northeastern corner of Walsh Field, is located to the southeast of the intersection of Parker and Hunter Streets in New Bedford, Massachusetts (see Figure 1). The Site and the surrounding areas are flat.

3.2 Surrounding Receptors

Walsh Field lies within 500 feet of residential dwellings and serves as the athletic field for the adjacent New Bedford High School. The Soccer Field is used for practices and games during the spring, summer, and fall soccer season. The Soccer Field may also be used by other teams as a practice area during the spring and fall sport seasons (e.g., for field hockey practice). Walsh Field, which houses the soccer field and other athletic fields, is secured by a fence, limiting access only to those with permission to use the fields.

Groundwater categories at Walsh Field include actual or potential GW-2, depending upon proximity to occupied structures (groundwater is expected to be less than 15 feet below ground surface based on data from nearby locations), and GW-3, which applies to all groundwater throughout the Commonwealth. However, groundwater impacts from contaminants associated with Walsh Field are not expected. For example, recent groundwater monitoring conducted at Walsh Field in March 2009 (see Appendix B) did not detect contaminants above applicable MCP Reportable Concentrations (RCs).

Based on review of on-line MassDEP Priority Resource Map data available from Massachusetts Geographic Information System (MassGIS), the Site is not located within a Current or Potential Drinking Water Source Area (MassGIS, 2008).

Walsh Field is not located in a wetland resource area. No other documented sensitive ecological receptor areas (e.g., Areas of Critical Environmental Concern [ACECs]) are known to be located at or near the site.

3.3 Release Description

The potential IH condition was discovered during additional investigation to delineate the extent of previously detected concentrations of lead, cadmium and polycyclic aromatic hydrocarbons (PAHs) in soil at the Soccer Field area and to determine the extent of potential soil removal necessary to achieve a condition of no significant risk for the top three feet of soil within this area. The WFE-5 sampling location had been identified as one of three areas requiring further delineation sampling within the soccer field area.

The contamination at WFE-5 and the rest of Walsh Field subsurface contamination is associated with historical landfilling activities. Boring logs included in Appendix F indicate the presence of

fill material containing ash, glass, and clinkers. The contaminated fill at Walsh Field is associated with the Parker Street Waste Site (PSWS) that is tracked under RTN 4-15685.

3.3.1 Investigation History

On February 23, 2009, TRC conducted soil sampling at the Soccer Field area of Walsh Field to delineate the extent of previously detected concentrations of lead, cadmium and polycyclic aromatic hydrocarbons (PAHs) in soil and to determine the extent of soil removal potentially necessary to achieve a condition of no significant risk for the top three feet of soil within this area. This work was conducted in accordance with a TRC-prepared scope of work approved by the City for addressing data gaps identified in the delineation of the PSWS.

The protocol for the delineation sampling called for the collection of four “inner ring” soil samples (0 to 1 foot and 1 to 3 feet in depth) four feet away from the original WFE-5 sampling location to the north, east, south and west (designated “A” through “D”; see Figure 2). The protocol further called for the collection of four additional “outer ring” samples eight feet from the original WFE-5 sampling location (designated “E” through “H”). “Outer ring” samples were also collected from the 0 to 1 and 1 to 3 feet intervals. All samples were collected on February 23, 2009 and the “inner ring” samples were authorized for lead, cadmium and PAH analysis. The “outer ring” samples were held at the laboratory, pending the results of the “inner ring” sample analysis.

Cadmium and PAH concentrations in the four “inner ring” surface soil samples were below the Massachusetts Department of Environmental Protection (MassDEP) background concentration for natural soil. Lead concentrations were below the Method 1 S-1/GW-2 and S-1/GW-3 standards (300 mg/kg) at three of the four “inner ring” surface soil locations (WFE5-B through WFE5-D). However, at location WFE5-A, a concentration of 3,360 mg/kg was detected in the 0 to 1 foot interval. Due to the detection of lead at a level more than 10-fold the Method 1 S-1 standard at the WFE5-A location performed a preliminary IH analysis and determined that an IH condition was likely to be present. The IH condition was reported and the “outer ring” samples were immediately authorized for analysis to determine the extent of the elevated surficial lead.

Lead concentrations in 0 to 1 foot samples WFE5-E through WFE5-H, reported by the laboratory on March 6, 2009, were less than the Method 1 S-1 standard of 300 mg/kg, with a maximum detected concentration of 220 mg/kg. Four additional locations were sampled to the north of WFE5-E at two foot step-out intervals (WFE5-I through WFE5-L) on March 11, 2009, primarily to delineate lead in the 1 to 3 foot interval. However, lead concentrations in the four 0 to 1 foot samples were also below Method 1 S-1 standards, confirming that the extent of the surficial lead had been delineated.

As noted in the IH evaluation for the Soccer Field in Appendix A, the estimated cancer risk for the young child recreational user did not exceed the MCP risk limits for an IH of an excess lifetime cancer risk (ELCR) of 1E-05. However, the noncarcinogenic hazard quotient of 20 exceeded the MCP hazard index (HI) of 10. The IH was identified at the Soccer Field primarily due to the exposure pathway of the ingestion of lead-containing surface soil. See Appendix A

for additional information on the IH condition. This IRA plan focuses exclusively on the elevated lead concentrations in the surface soil at the Soccer Field.

3.3.2 Lead Concentrations at the Soccer Field

The WFE-5 sampling location had been identified as an area requiring further delineation sampling within the Soccer Field, based on prior analytical results. The laboratory analytical results for the soil samples collected to delineate documented contamination are summarized in Table 1. One soil sample collected on February 23, 2009 at boring WFE-5A from 0-1 foot below ground surface (bgs) contained lead at a concentration of 3,360 mg/kg, which prompted a preliminary IH evaluation and regulatory reporting. None of the additional samples analyzed following the high result at WFE-5A contained lead above the TRC calculated IH threshold. TRC's risk analysis determined that the removal of a rectangular area within the Soccer Field, with approximate dimensions of 23.5 feet (north-south) by 15.1 feet (east-west) by 3 feet deep (see Figure 3) would be sufficient to address the IH condition and reduce risk. The lateral extent of the excavation area was defined by lead samples WFE-5B to the east, WFE-5G to the south, WFE-5H to the west, and WFE-5L to the north. TRC identified the excavation area to conservatively remove soil contaminated with lead in the vicinity of the IH condition.

4.0 IMMEDIATE RESPONSE ACTIONS UNDERTAKEN TO DATE

4.1 Release Reporting

RTN 4-21823 has been assigned to the Site, and is related to a potential IH condition associated with the Soccer field that triggered a 2-hour regulatory reporting obligation to the MassDEP in accordance with 310 CMR 40.0311(7). The potential IH condition was reported to the MassDEP by TRC via telephone in conjunction with the City of New Bedford on March 4, 2009. MassDEP orally approved Immediate Response Action (IRA) assessment and removal activities at the Site, and assigned RTN 4-21823.

4.2 Immediate Response Action

At the time of oral notification, MassDEP approved the following response action as an IRA:

- Assessment and Monitoring
- Soil Removal

4.3 Imminent Hazard Analysis

An IH evaluation, which is provided in Appendix A, was initiated within 14 days of obtaining knowledge of the potential IH condition. For the Soccer Field, TRC's risk assessment specialist conducted the IH calculations using the maximum detected concentration (3,360 mg/kg) as the Exposure Point Concentration (EPC) for lead, and also used maximum detected concentrations as EPCs for other contaminants of potential concern such as cadmium and polycyclic aromatic hydrocarbons (PAHs). TRC also used site-specific exposure assumptions that were more health-protective than used by MassDEP for a park visitor scenario, and default MassDEP toxicity criteria. TRC completed the IH analysis on March 16, 2009, satisfying the IH evaluation initiation timeline under the MCP. The risk assessment calculations indicate an IH existed at the Soccer Field, but does not exist presently, following the soil excavation and removal.

4.4 Soil Excavation and Removal

4.4.1 Staking of Contaminated Area

Analytical results of soil samples collected in the vicinity of WFE-5A were used in the delineation of an approximate 23.5 ft by 15.1 ft area to be excavated and removed. The lateral extents of the soil excavation area were identified by sample locations evidencing concentrations of lead below the applicable Method 1 cleanup standard. The locations of all TRC sampling points were surveyed by Land Planning, Incorporated of Hanson, Massachusetts (Land Planning). Land Planning field staked TRC's delineation sampling locations prior to excavation to guide soil removal.

4.4.2 Soil Excavation and Removal

Soils in the Soccer Field that were determined to contain elevated lead concentrations were excavated on March 13, 2009 following receipt of verbal approval from MassDEP on March 11, 2009. Approximately 41 cubic yards of excavated soils were loaded directly into roll-off containers lined with 10-mil polyethylene sheeting. All soils were excavated up to the staked excavation boundaries and down to 3 feet bgs. The dimensions of the excavation area were intended to be protective of potential soil exposure, consistent with the assumptions in TRC's IH evaluation.

During IRA-related contaminated soil excavation and management activities, TRC conducted real-time field screening of dust levels using direct reading instruments that are designed to monitor air quality on a real-time basis at locations upwind and downwind of excavation and soil moving activities. The dust monitoring units were TSI Dustrak™ units with size-selective inlet for particles of 10 micrometers in diameter or less (PM₁₀). The dust monitoring instruments were zeroed before use and at the end of the day. Data was logged at 60-second intervals and monitored periodically by field personnel during IRA-related excavation activities. Data was downloaded daily. The upwind sample was intended to provide a measurement of background ambient dust levels; however, this unit malfunctioned and did not record dust concentrations throughout the day. There were no exceedances of TRC's prescribed action level, 150 ug/m³ sustained for 15 minutes, during soil excavation and loading.

4.4.3 Field Reconstruction

The area to be excavated was backfilled on March 13, 2009 using a contaminant-free source (stone dust). Future grounds keeping activities are expected at the area to restore turf growth.

4.4.4 Waste Characterization Analysis

A waste characterization soil sample (WFE-5W) was collected from the excavated soils, and submitted for laboratory analysis of volatile organic compounds (VOCs), total poly-chlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPH), and Resource and Conservation Recovery Act (RCRA) 8 metals. Additional volume was collected for Toxicity Characteristic Leaching Procedure (TCLP) metals analysis, contingent upon total metals results.

The roll-off containers containing the excavated soils were transported under a Bill of Lading to the Shawmut Avenue Transfer Station, owned by the City of New Bedford, for temporary storage. A copy of the Bill of Lading is provided as Appendix C.

Soil sample WFE-5W exhibited a lead concentration of 655 mg/kg (Table 2). Since this concentration is greater than 20-times the allowable aqueous lead leachate level, the sample was analyzed for TCLP lead. Based on TCLP analysis, the extract from the soil contained a lead concentration of 8.04 mg/L (Table 3). This concentration exceeds the 5.0 mg/L concentration identified as the regulatory level for lead by MassDEP in 310 CMR 30.125: Table 1

(characteristic hazardous waste). The soil remains in lined and covered roll-off containers at the Shawmut Avenue Transfer Station in New Bedford, Massachusetts awaiting disposal. TRC is presently assisting the City with disposal cost estimates and disposal arrangements.

5.0 WHY AN IMMEDIATE RESPONSE ACTION IS REQUIRED

This IRA is required to address the detection of lead in surface soil at the Soccer Field in excess of a concentration indicating a potential IH. The IH condition is associated with the concentration, depth below surface, and proximity to a school or residential dwelling of the soil sample containing lead above the potential IH evaluation threshold. Although the soils are no longer freely accessible due to excavation and removal, they have not yet been disposed/reused at an appropriate receiving facility. Based on TCLP testing, the soil is a characteristic hazardous waste and will require disposal or ex-situ treatment prior to final disposal or reuse. TRC prepared this IRA Plan to describe the risk reduction measures taken at this Site and to report the current disposition of the associated remediation waste.

6.0 OBJECTIVE, PLAN & IMPLEMENTATION SCHEDULE

6.1 Objective

The objectives of this IRA are:

1. To conduct additional soil sampling to delineate lead-contaminated soils;
2. To conduct an IH evaluation;
3. To remove the top 3 feet of soil within the staked area of the Soccer Field that contained elevated concentrations of lead;
4. To replace the removed surface soil with appropriately documented, contaminant-free soil;
5. Manage remediation waste; and
6. To transport the remediation waste to an appropriate disposal/recycling facility.

As outlined in Section 4.0, objectives 1, 2, 3, 4, and 5 have been completed to date; however, the excavated soil has remained in storage at a temporary holding facility since it was removed. Subsequent waste characterization sampling has indicated the soil was a characteristic hazardous waste, therefore previous disposal assumptions have to be re-assessed in order to appropriately dispose of the material. The City and TRC are working expeditiously to finalize remediation waste obligations.

6.2 Plan

Section 4.0 of this report describes the IRA activities that have been taken to date, including supplemental soil sampling to delineate the soil excavation area, preparation of an IH evaluation, excavation of lead contaminated soil, and backfilling of the excavation with stone dust. The remaining tasks to be performed as part of this IRA include final management of remediation waste. Section 7.0 outlines TRC's remediation waste management procedures. No other tasks are anticipated under this IRA.

6.3 Immediate Response Action Completion Report

Following proper reuse, recycling or disposal of the contaminated soil, TRC will submit an IRA Completion Report to MassDEP. The City of New Bedford will continue to assure the security of the roll-off containers at the Shawmut Avenue Transfer Facility, by methods such as covering and appropriate signage and marking.

6.4 Implementation Schedule

The timing of the disposal of remediation waste is dictated by 310 CMR 40.0031(7). The characteristic hazardous waste being stored at the Shawmut Avenue Transfer Station must be

disposed of or treated by June 11, 2009. If the material has been treated successfully and follow-up sampling confirms that the lead-containing soil no longer leaches lead above the 5 mg/L TCLP threshold, then the soil can be managed as remediation waste, and the deadline for disposal/reuse becomes July 11, 2009.

7.0 REMEDIATION WASTE MANAGEMENT STATEMENT

This section describes procedures for the off-site management and off-site disposal of remediation waste generated during this IRA. Remediation waste management will be conducted in accordance with the applicable sections of the MCP, MassDEP *Interim Remediation Waste Management Policy for Petroleum Contaminated Soils*, WSC-94-400, MassDEP Policy COMM#97-001 *Reuse and Disposal of Contaminated Soils and Sediments at Massachusetts Landfills*, Massachusetts General Law 310 CMR 30, and Massachusetts General Law 310 CMR 40.0030.

The soil excavated from the localized area containing elevated lead at the Soccer Field as described in Section 4.0 of this IRA Plan will be transported off-site for disposal. The total volume of excavated soil to be transported as part of this IRA is approximately 41 cubic yards.

7.1 Off-Site Soil Management

Excavated soils associated with the IRA are currently stored in lined and tightly covered roll-off containers at the Shawmut Avenue Transfer Station, which is a secure City property. The roll-off containers are lined and covered with 6-mil polyethylene sheeting to form a continuous waterproof barrier over the excavated soil. The remediation waste may be mixed with a phosphorous oxide treatment compound. The purpose of the phosphorous oxide treatment process is to bind the lead to soil particulates, creating lead aluminosilicates, which are less likely to leach out of the soil. Following treatment an additional soil sample will be collected for analysis of TCLP lead. If the result of TCLP analysis is below 5 mg/L (as leachate) then the soil can be managed as remediation waste. The City will work in collaboration with the appropriately qualified waste management firm to determine whether the soil will be treated for disposal as a remediation waste or whether the material will be disposed of as a characteristic hazardous waste. The decision will be made based on the financial feasibility of both options and the input of the LSP.

During any soil movement that may be required to treat the soil, TRC will monitor dust generation consistent with the procedures conducted by TRC during soil excavation activities. Dust generation is not expected to be an issue during soil storage since the soil is contained and covered within the roll-off containers.

7.2 Off-Site Disposal

The soil contained in the roll-off containers will be transported from the temporary storage facility once they can be characterized as appropriate for off-site disposal at a suitable facility, or after ex-situ treatment. Several suitable off-site facilities are being considered, but the final facility location has not been determined.

Following identification of the more cost-effective soil management approach, the soil will be transported from the temporary storage facility for off-site disposal. Transportation of all materials from the Site will be performed using a MassDEP Bill of Lading (BOL) or Hazardous Waste Manifest, as appropriate, and will be performed within 90 days (for hazardous waste) or 120

days (for treated remediation waste) of excavation in accordance with 310 CMR 40.0030 of the MCP.

The transport of contaminated materials from the site to the disposal facility will be in accordance with all United States Department of Transportation (DOT), United States Environmental Protection Agency (EPA), and MassDEP regulations, as appropriate. The hauler(s) will be licensed in all states affected by the transport of Site soil.

8.0 ENVIRONMENTAL MONITORING PLAN

TRC personnel were onsite during the excavation and off-site transport for storage of lead-contaminated soil and conducted environmental monitoring as described herein.

8.1 Air Monitoring

On-site air monitoring was conducted to evaluate Site working conditions to minimize exposures to workers and nearby residents.

8.1.1 Lead Air Monitoring

Air monitoring for lead was performed using a combination of real-time dust monitoring and contingent integrated samples near the work area and downwind of the work area near potential human receptor locations.

8.1.1.1 Real-Time Dust Monitoring

During IRA-related contaminated soil excavation and management activities, TRC conducted real-time field screening of dust levels using direct reading instruments that are designed to monitor air quality on a real-time basis at locations upwind and downwind of excavation and soil moving activities. The dust monitoring units were TSI Dustrak™ units with size-selective inlet for particles of 10 micrometers in diameter or less (PM₁₀). The dust monitoring instruments were zeroed before use and at the end of the day. Data was logged at 60-second intervals and monitored periodically by field personnel during IRA-related excavation activities. Data was downloaded daily. The upwind sample was intended to provide a measurement of background ambient dust levels; however, this unit malfunctioned and did not record dust concentrations throughout the day. There were no exceedances of TRC's prescribed action level, 150 ug/m³ sustained for 15 minutes, during soil excavation and loading in the downward location.

8.1.1.2 Contingent Integrated Lead Air Samples

Integrated low-volume air samples were collected in the immediate downwind residential area as a contingency using battery powered pumps. Samples were submitted for lead analysis at an American Industrial Hygiene Association (AIHA) certified laboratory if sustained ambient dust levels exceeded the EPA National Ambient Air Quality Standard (NAAQS) of 150 ug/m³ at the downwind sampling locations. A sustained reading would consist of a reading lasting 15 minutes or longer. No sustained readings were observed during excavation and loading. The same air sampling procedures will be followed during any potential soil management and loading conducted to facilitate soil disposal.

8.1.2 VOC Air Monitoring

VOC air monitoring was performed during excavation and loading using a photo-ionization detector (PID) to monitor for the presence of VOCs within the work area breathing zone. Based on previously existing site data, significant VOC emissions were not expected during construction, but field monitoring of the breathing zone for VOCs was conducted as a precaution.

8.2 Action Levels

Instrument readings from the breathing zone and from the downwind monitoring locations were used to help evaluate the need for instituting additional safety measures such as dust control (e.g., water sprays) or upgrading personal protective equipment (PPE) levels.

The Action Level for airborne dust is based on the EPA 24 hour NAAQS for PM₁₀ particulate of 150 ug/m³. If necessary, the integrated low-volume air samples would have been submitted for laboratory analysis of lead, and the results evaluated relative to the Massachusetts Threshold Effects Level (TEL). However, due to moist soil conditions, action levels were not reached during excavation.

The same action levels will be employed, as necessary, for potential future soil management/loading.

9.0 FEDERAL, STATE & LOCAL PERMITS

9.1 Federal Permit Requirements

There are no known Federal permit requirements.

9.2 State Permit Requirements

There are no known State permit requirements.

9.3 Local Permit Requirements

There are no known Local permit requirements.

9.4 Miscellaneous Fees, Notices, and Transportation Documentation

Massachusetts Dig-Safe was notified at least 72 hours prior to commencing the excavation activities described in this IRA Plan.

All soil material that was transported from the site to the temporary storage facility was transported under a MassDEP BOL containing the signature and seal of the LSP of record for the site. The BOL is included in Appendix C.

Disposal/reuse of the soil at an appropriate facility will be documented consistent with the requirements of that facility. Any further requirements will be reported in future IRA-related regulatory correspondence.

10.0 SEAL & SIGNATURE OF LICENSED SITE PROFESSIONAL

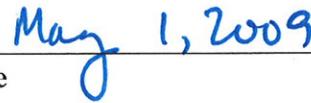
The Licensed Site Professional (LSP) overseeing this IRA is:

Mr. David M. Sullivan, LSP, CHMM
LSP License Number: 1488
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(978) 656-3565

This IRA Plan has been prepared in accordance with 310 CMR 40.0424 as set forth in the MCP.



David M. Sullivan, LSP, CHMM
TRC Environmental Corporation
Licensed Site Professional No. 1488



Date



Stamp

11.0 OTHER RELEVANT INFORMATION

11.1 Public Involvement

As required by 310 CMR 40.1403(3)(b), the Mayor and the Board of Health for the City of New Bedford have been notified of the IRA activities. Copies of the notification letters sent to the Mayor and Board of Health are provided in Appendix D.

11.2 Special Waste Determination

As noted in Section 7.4, disposal of the soil at an appropriate facility may require the submittal and approval of a BWP SW 14 Special Waste Determination (Major).

12.0 REFERENCES

MassGIS, 2008 Massachusetts Geographic Information System (MassGIS), On-line MassDEP Priority Resource Map. Accessed July 28, 2008.
<http://maps.massgis.state.ma.us/21e/viewer.htm>

TABLES

Table 1: Summary of Analytical Results for Soil Samples - 2006 and 2009
Immediate Response Action Plan
Walsh Field - Soccer Field
New Bedford, Massachusetts

Analysis	Analyte	Sample Location:						WFE-5	WFE-5-A		WFE-5-B			WFE-5-C		WFE-5-D		WFE-5-E		WFE-5-F	
		Sample Date:						2/23/2006	0-1	1-3	0-1	1-3	1-3	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
		Sample Depth (ft.):						1.75-2.5	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	02/23/09	02/23/09	02/23/09
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA														
PAHs / Dibenzofuran (mg/kg)	Dibenzofuran	NS	NS	NS	NS	100	N/A	0.065 U	NA	NA	NA	NA	NA								
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	0.212 U	0.229 U	0.238 U	NA	NA	NA	NA
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	0.212 U	0.229 U	0.238 U	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	0.305	0.229 U	0.238 U	NA	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	2.00	0.229 U	0.238 U	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	0.140	0.236 U	0.233	0.202 U	0.233 U	0.283	0.260	4.03	0.245	0.238 U	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	0.170	0.236 U	0.225 U	0.202 U	0.233 U	0.254	0.235	3.27	0.229 U	0.238 U	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	0.110	0.236 U	0.237	0.202 U	0.233 U	0.281	0.263	3.77	0.231	0.238 U	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.077	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	0.978	0.229 U	0.238 U	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.210	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	1.36	0.229 U	0.238 U	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	N/A	0.130	0.236 U	0.296	0.202 U	0.233 U	0.338	0.290	3.93	0.293	0.238 U	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	0.291	0.229 U	0.238 U	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	0.270	0.236 U	0.489	0.202 U	0.233 U	0.488	0.443	6.48	0.371	0.238 U	NA	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.222 U	0.212 U	0.617	0.229 U	0.238 U	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.233 U	0.223	0.212 U	1.28	0.229 U	0.238 U	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	0.065 U	0.236 U	0.225 U	0.202 U	0.524	0.222 U	0.212 U	0.212 U	0.229 U	0.763	NA	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	0.160	0.236 U	0.484	0.202 U	0.233 U	0.514	0.389	7.96	0.342	0.238 U	NA	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	0.360	0.236 U	0.622	0.257	0.289	0.748	0.604	8.15	0.630	0.314	NA	NA	NA	NA
Metals, total (mg/kg)	Mercury	20	20	30	30	20	N/A	0.420	NA	NA	NA	NA	NA								
	Arsenic	20	20	20	20	20	N/A	9.31	NA	NA	NA	NA	NA								
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	224	NA	NA	NA	NA	NA								
	Cadmium	2	2	30	30	2	N/A	61.0	0.750	0.830	0.310 U	0.880	0.710	0.560	1.93	0.550	0.950	NA	NA	NA	NA
	Chromium	30	30	200	200	30	N/A	22	NA	NA	NA	NA	NA								
	Lead	300	300	300	300	300	N/A	562	3,360	1,830	40.7	268	254	214	654	253	1,040	91	2,500	4.83	839
	Selenium	400	400	800	800	400	N/A	1.69 U	NA	NA	NA	NA	NA								
	Silver	100	100	200	200	100	N/A	0.85 U	NA	NA	NA	NA	NA								

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
N/A - Not applicable.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.
VOCs - Volatile Organic Compounds.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006. BETA Group, Inc.
(1) - MassDEP Method 1 standards and RC for C9-C10 aromatics used.
(2) - MassDEP RC for Dichloropropane used.
(3) - MassDEP RC for Dichloropropene used.
(4) - SW-846 Chapter 7, Table 7-1. *Maximum Concentration of Contaminants for Toxicity Characteristic.*

Table 1: Summary of Analytical Results for Soil Samples - 2006 and 2009
Immediate Response Action Plan
Walsh Field - Soccer Field
New Bedford, Massachusetts

Analysis	Analyte	Sample Location:						WFE-5-G		WFE-5-H		WFE-5-I			WFE-5-J		WFE-5-K		WFE-5-L	
		Sample Date:						0-1	1-3	0-1	1-3	0-1	0-1	1-3	0-1	1-3	0-1	1-3		
		Sample Depth (ft.):						2/23/2009	2/23/2009	02/23/09	02/23/09	03/11/09	03/11/09	03/11/09	03/11/09	03/11/09	03/11/09	03/11/09	03/11/09	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA					Field Dup								
PAHs / Dibenzofuran (mg/kg)	Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	N/A	0.243 U	0.214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	0.243 U	0.334	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	0.243 U	0.214 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	0.243 U	0.249	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	0.243 U	0.412	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total (mg/kg)	Mercury	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	20	20	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	N/A	100	303	220	267	217	239	1,250	108	1,490	142	482	219	277
	Selenium	400	400	800	800	400	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - MassDEP Method 1 standards and RC for C9-C10 aromatics used.

(2) - MassDEP RC for Dichloropropane used.

(3) - MassDEP RC for Dichloropropene used.

(4) - SW-846 Chapter 7, Table 7-1, *Maximum Concentration of Contaminants for Toxicity Characteristic*.

Table 2: Summary of Analytical Results for Waste Characterization Soil Sample - March 2009

Immediate Response Action Plan
Walsh Field - Soccer Field
New Bedford, Massachusetts

Analysis	Analyte	Sample Location: WFE-5-W					Sample Depth (ft.): 0-3	Sample Date: 3/13/2009
		Reuse Level*		Soil Recycling Facility Summary Levels**				
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant		
VOCs (mg/kg)	Acetone	NA	NA	NA	NA	NA	0.11 U	
	tert-Amyl methyl Ether	NA	NA	NA	NA	NA	0.002 U	
	Benzene	NA	NA	NA	NA	NA	0.003 U	
	Bromobenzene	NA	NA	NA	NA	NA	0.003 U	
	Bromochloromethane	NA	NA	NA	NA	NA	0.003 U	
	Bromodichloromethane	NA	NA	NA	NA	NA	0.003 U	
	Bromoform	NA	NA	NA	NA	NA	0.011 U	
	Bromomethane	NA	NA	NA	NA	NA	0.011 U	
	2-Butanone (MEK)	NA	NA	NA	NA	NA	0.043 U	
	n-Butylbenzene	NA	NA	NA	NA	NA	0.003 U	
	sec-Butylbenzene	NA	NA	NA	NA	NA	0.003 U	
	tert-Butylbenzene	NA	NA	NA	NA	NA	0.003 U	
	tert-Butylethyl Ether	NA	NA	NA	NA	NA	0.002 U	
	Carbon Disulfide	NA	NA	NA	NA	NA	0.007 U	
	Carbon Tetrachloride	NA	NA	NA	NA	NA	0.003 U	
	Chlorobenzene	NA	NA	NA	NA	NA	0.003 U	
	Chlorodibromomethane	NA	NA	NA	NA	NA	0.011 U	
	Chloroethane	NA	NA	NA	NA	NA	0.022 U	
	Chloroform	NA	NA	NA	NA	NA	0.005 U	
	Chloromethane	NA	NA	NA	NA	NA	0.011 U	
	2-Chlorotoluene	NA	NA	NA	NA	NA	0.003 U	
	4-Chlorotoluene	NA	NA	NA	NA	NA	0.003 U	
	1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	0.003 U	
	1,2-Dibromoethane	NA	NA	NA	NA	NA	0.002 U	
	Dibromomethane	NA	NA	NA	NA	NA	0.003 U	
	1,2-Dichlorobenzene	NA	NA	NA	NA	NA	0.003 U	
	1,3-Dichlorobenzene	NA	NA	NA	NA	NA	0.003 U	
	1,4-Dichlorobenzene	NA	NA	NA	NA	NA	0.003 U	
	Dichlorodifluoromethane	NA	NA	NA	NA	NA	0.022 U	
	1,1-Dichloroethane	NA	NA	NA	NA	NA	0.003 U	
	1,2-Dichloroethane	NA	NA	NA	NA	NA	0.003 U	
	1,1-Dichloroethylene	NA	NA	NA	NA	NA	0.005 U	
	cis-1,2-Dichloroethylene	NA	NA	NA	NA	NA	0.003 U	
	trans-1,2-Dichloroethylene	NA	NA	NA	NA	NA	0.003 U	
	1,2-Dichloropropane	NA	NA	NA	NA	NA	0.003 U	
	1,3-Dichloropropane	NA	NA	NA	NA	NA	0.002 U	
	2,2-Dichloropropane	NA	NA	NA	NA	NA	0.003 U	
	1,1-Dichloropropene	NA	NA	NA	NA	NA	0.003 U	
	cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.011 U	
	trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.011 U	
	Diethyl Ether	NA	NA	NA	NA	NA	0.022 U	
	Diisopropyl Ether	NA	NA	NA	NA	NA	0.002 U	
	1,4-Dioxane	NA	NA	NA	NA	NA	0.11 U	
	Ethyl Benzene	NA	NA	NA	NA	NA	0.003 U	
	Hexachlorobutadiene	NA	NA	NA	NA	NA	0.003 U	
	2-Hexanone	NA	NA	NA	NA	NA	0.022 U	
	Isopropylbenzene	NA	NA	NA	NA	NA	0.003 U	
	p-Isopropyltoluene	NA	NA	NA	NA	NA	0.003 U	
	MTBE	NA	NA	NA	NA	NA	0.005 U	
	Methylene Chloride	NA	NA	NA	NA	NA	0.022 U	
	MIBK	NA	NA	NA	NA	NA	0.022 U	
	Naphthalene	NA	NA	NA	NA	NA	0.011 U	
	n-Propylbenzene	NA	NA	NA	NA	NA	0.003 U	
	Styrene	NA	NA	NA	NA	NA	0.011 U	
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	0.003 U		
1,1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	0.002 U		
Tetrachloroethylene	NA	NA	NA	NA	NA	0.003 U		
Tetrahydrofuran	NA	NA	NA	NA	NA	0.011 U		
Toluene	NA	NA	NA	NA	NA	0.003 U		
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	0.011 U		
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	0.005 U		
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	0.003 U		
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	0.003 U		
Trichloroethylene	NA	NA	NA	NA	NA	0.003 U		
Trichlorofluoromethane	NA	NA	NA	NA	NA	0.011 U		
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	0.003 U		
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	0.003 U		
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	0.003 U		
Vinyl Chloride	NA	NA	NA	NA	NA	0.011 U		
m + p Xylene	NA	NA	NA	NA	NA	0.005 U		
o-Xylene	NA	NA	NA	NA	NA	0.003 U		
	Total VOCs	10	4	30 to 1,800			ND	
SVOCs (mg/kg)	Acenaphthene	NA	NA	NA	NA	NA	0.233 U	
	Acenaphthylene	NA	NA	NA	NA	NA	0.233 U	
	Acetophenone	NA	NA	NA	NA	NA	NA	
	Aniline	NA	NA	NA	NA	NA	NA	
	Anthracene	NA	NA	NA	NA	NA	0.233 U	
	Benzo(a)anthracene	NA	NA	NA	NA	NA	0.303	
	Benzo(a)pyrene	NA	NA	NA	NA	NA	0.287	
	Benzo(b)fluoranthene	NA	NA	NA	NA	NA	0.381	
	Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	0.233 U	
	Benzo(k)fluoranthene	NA	NA	NA	NA	NA	0.233 U	
	Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	NA	
	Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	NA	
	Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	
	Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	

Table 2: Summary of Analytical Results for Waste Characterization Soil Sample - March 2009
Immediate Response Action Plan
Walsh Field - Soccer Field
New Bedford, Massachusetts

Analysis	Analyte	Sample Location: WFE-5-W					Sample Depth (ft.): 0-3	Sample Date: 3/13/2009
		Reuse Level*		Soil Recycling Facility Summary Levels**				
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant		
	4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	
	Butylbenzylphthalate	NA	NA	NA	NA	NA	NA	
	4-Chloroaniline	NA	NA	NA	NA	NA	NA	
	2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	
	2-Chlorophenol	NA	NA	NA	NA	NA	NA	
	Chrysene	NA	NA	NA	NA	NA	0.336	
	Dibenzofuran	NA	NA	NA	NA	NA	NA	
	Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	0.233 U	
	1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	
	1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	
	1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	
	3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	
	2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	
	Diethylphthalate	NA	NA	NA	NA	NA	NA	
	2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	
	Dimethylphthalate	NA	NA	NA	NA	NA	NA	
	Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	
	Di-n-octylphthalate	NA	NA	NA	NA	NA	NA	
	2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	
	2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	
	2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	
	Azobenzene	NA	NA	NA	NA	NA	NA	
	Fluoranthene	NA	NA	NA	NA	NA	0.521	
	Fluorene	NA	NA	NA	NA	NA	0.233 U	
	Hexachlorobenzene	NA	NA	NA	NA	NA	NA	
	Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	
	Hexachloroethane	NA	NA	NA	NA	NA	NA	
	Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	0.233 U	
	Isophorone	NA	NA	NA	NA	NA	NA	
	o-cresol	NA	NA	NA	NA	NA	NA	
	m & p-cresol(s)	NA	NA	NA	NA	NA	NA	
	2-Methylnaphthalene	NA	NA	NA	NA	NA	0.233 U	
	Naphthalene	NA	NA	NA	NA	NA	0.233 U	
	Nitrobenzene	NA	NA	NA	NA	NA	NA	
	2-Nitrophenol	NA	NA	NA	NA	NA	NA	
	4-Nitrophenol	NA	NA	NA	NA	NA	NA	
	Pentachlorophenol	NA	NA	NA	NA	NA	NA	
	Phenanthrene	NA	NA	NA	NA	NA	0.558	
	Phenol	NA	NA	NA	NA	NA	NA	
	Pyrene	NA	NA	NA	NA	NA	0.646	
	1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	
	2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	
	2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	
	Total SVOCs	100	100	NA	NA	NA	3.032	
PCBs (mg/kg)	Aroclor 1016	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1221	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1232	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1242	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1248	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1254	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1260	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1262	NA	NA	NA	NA	NA	0.14 U	
	Aroclor 1268	NA	NA	NA	NA	NA	0.14 U	
	Total PCBs	< 2	< 2	< 2	< 2	< 2	ND	
Metals, total (mg/kg)	Mercury	10	10	10	3	10	0.349	
	Arsenic	40	40	30	30	30	15.7	
	Barium	NA	NA	NA	NA	NA	278	
	Cadmium	80	30	30	11	30	1.59	
	Chromium	1,000	1,000	500	500	500	16.7	
	Lead	2,000	1,000	1,000	1,000	1,000	655	
	Selenium	NA	NA	NA	NA	NA	6.99 U	
	Silver	NA	NA	NA	NA	NA	0.70 U	
Total Petroleum Hydrocarbon (mg/kg)	TPH	5,000	2,500	5,000 to 60,000			240	

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - No listed Massachusetts criteria exist for this compound.

ND - Not detected.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

VOCs - Volatile Organic Compounds.

SVOCs - Semi-Volatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

* - MassDEP - *Reuse and Disposal of Contaminated Soil at Massachusetts Landfills, Policy # COMM 97-001.*

** - MassDEP - *Interim Remediation Waste Management Policy for Petroleum Contaminated Soils, #WSC-94-400*

**Table 3: Summary of Analytical TCLP Results for Soil Sample - March 2009
 Immediate Response Action Plan
 Walsh Field - Soccer Field
 New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:	WFE-5-W
		Sample Date:	3/13/2009
		Maximum Concentration for Toxicity Characteristic	
Metals, TCLP (mg/L)	Lead	5.00*	8.04

Notes:

ug/L - micrograms per liter.

TCLP - Toxicity Characteristic Leaching Procedure.

*SW-846 Chapter 7, Table 7-1, *Maximum Concentration of Contaminants for Toxicity Characteristic.*

Values shown in Bold and shaded type exceed the listed TCLP standard

FIGURES

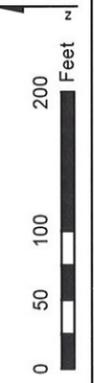


650 Suffolk St.
Wannalancet Mills
Lowell, MA 01854

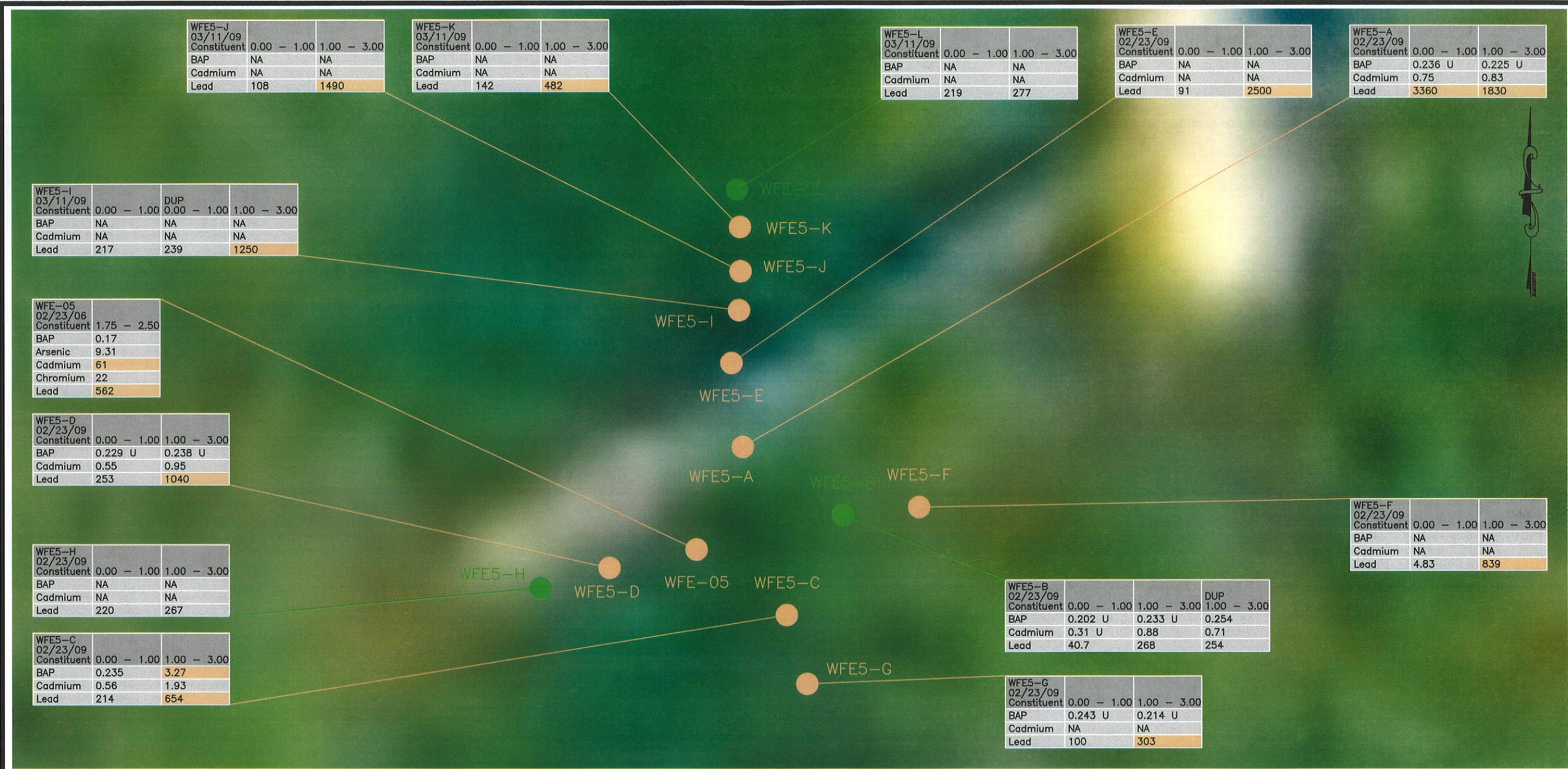
FIGURE 1
SITE AERIAL PHOTOGRAPH
WALSH FIELD
NEW BEDFORD, MASSACHUSETTS

Parcels

Orthophotography: MassGIS, April 2005



FILE: G:\GEO\GIS\Projects\NewBedford\WALSH-WFE5.dwg



Summary of Regulatory Comparison Criteria for Soil (mg/kg)						
Contaminant	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Names						
<i>Benzo (a)pyrene (BAP)</i>	2	2	4	4	2	N/A
<i>Arsenic</i>	20	20	20	20	20	N/A
<i>Cadmium</i>	2	2	30	30	2	N/A
<i>Chromium</i>	30	30	200	200	30	N/A
<i>Lead</i>	300	300	300	300	300	N/A

NOTES:
 ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
 MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
 NA - SAMPLE NOT ANALYZED FOR THE LISTED ANALYTE.
 N/A - NOT APPLICABLE.
 RCS - REPORTABLE CONCENTRATIONS.
 TSCA - TOXIC SUBSTANCES CONTROL ACT.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.

VALUES SHOWN IN PEACH BACKGROUND EXCEED ONE OR MORE OF THE LISTED MASSDEP METHOD 1 STANDARDS.

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

SAMPLE LOCATION	WFE-05
SAMPLE DATE	02/23/06
Constituent	1.75 - 2.50
BAP	0.17
Arsenic	9.31
Cadmium	61
Chromium	22
Lead	562

SAMPLE DEPTH (DEPTH RANGE) IN FEET



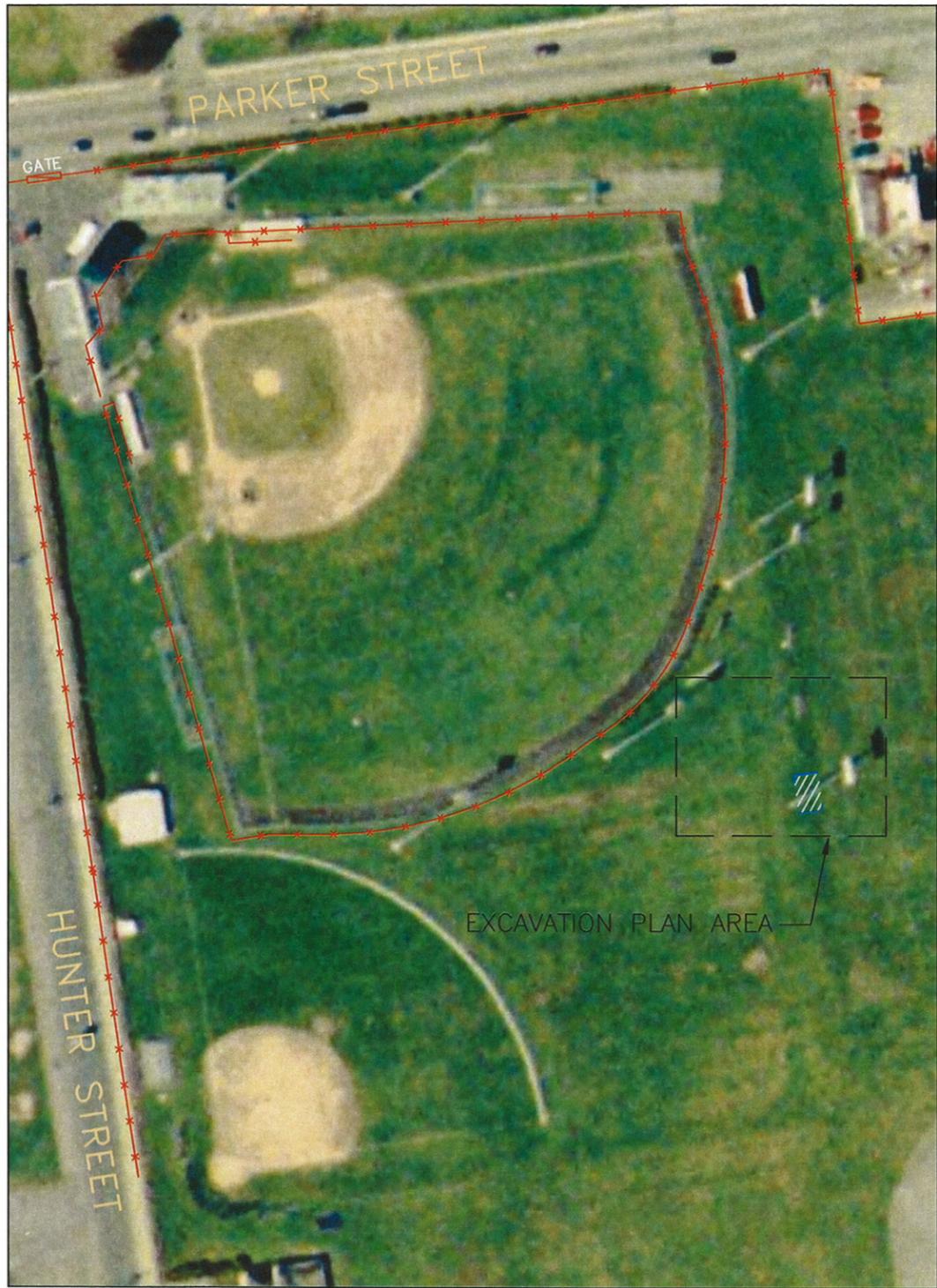
**WALSH FIELD -
 SOCCER FIELD
 NEW BEDFORD, MASSACHUSETTS
 ANALYTICAL RESULTS
 SUMMARY MAP**

Wannancitt Mills
 650 Suffolk Street
 Lowell, MA 01854
 (978) 970-5600

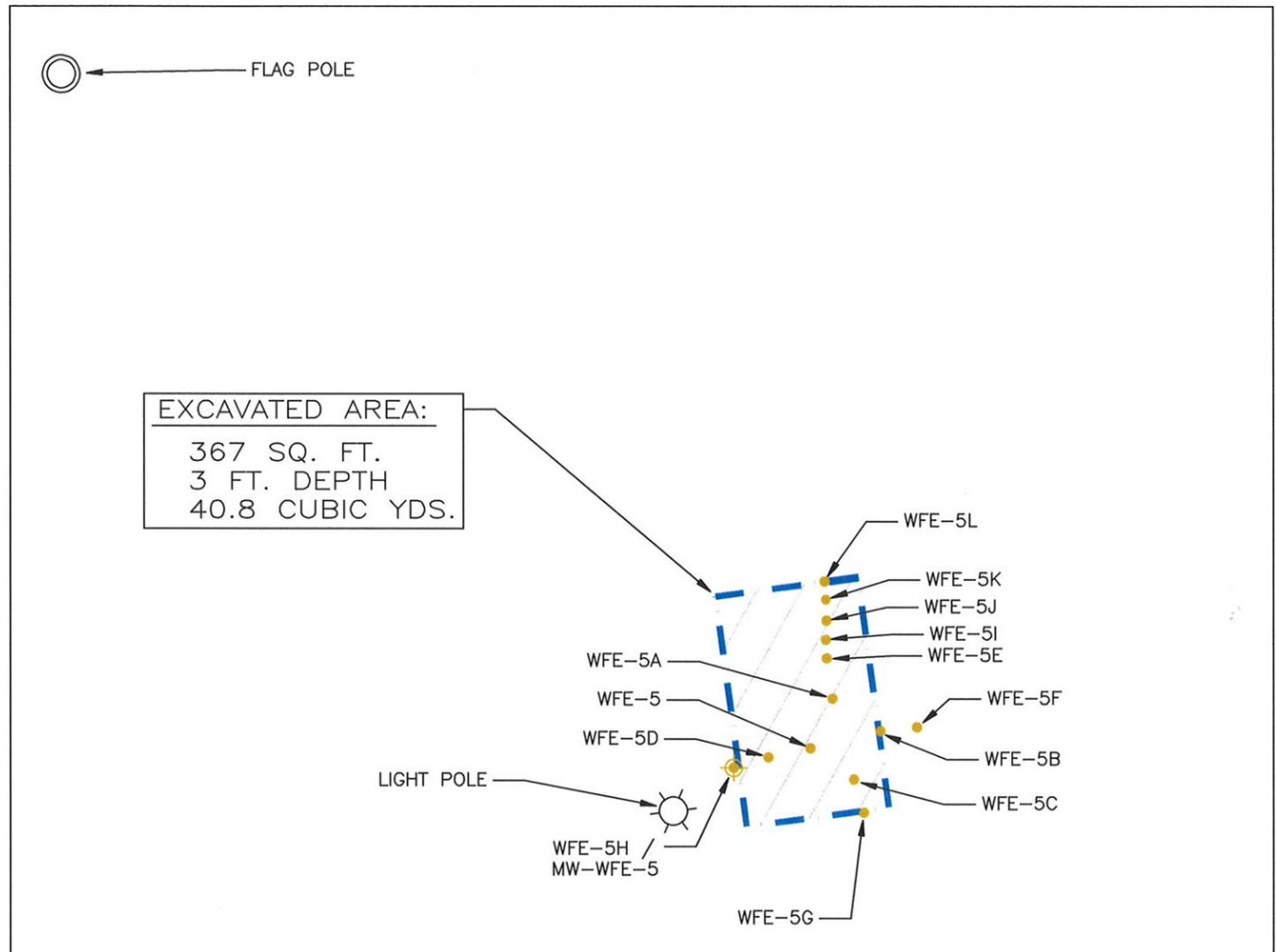
FIGURE
2

DRAWN BY: PZ
 CHECKED BY: DMS

DATE:
MAY 2009



AREA PLAN
APPROXIMATE SCALE: 1" = 90'



EXCAVATION PLAN
APPROXIMATE GRAPHIC SCALE
0' 7.5' 15' 30'

- LEGEND:**
-  SOIL EXCAVATED ON MARCH 13, 2009
 -  EXTENT OF EXCAVATION LINE
 -  FENCE
 -  SOIL SAMPLE LOCATION
 -  SOIL SAMPLE AND MONITORING WELL LOCATION

NOTE:
FIGURE IS APPROXIMATE AND IS CONCEPTUAL.

WALSH FIELD - SOCCER FIELD NEW BEDFORD, MASSACHUSETTS	
EXCAVATION PLAN	
	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600
DRAWN BY: DMP	DATE: APRIL 2009
CHECKED BY: RSN	APRIL 2009

FIGURE
3

APPENDIX A

IMMINENT HAZARD EVALUATION SUMMARY

**IMMINENT HAZARD EVALUATION
SOCCER FIELD SURFACE SOIL
WALSH FIELD
NEW BEDFORD, MASSACHUSETTS**

Due to the potential Imminent Hazard (IH) condition that was triggered at the Site on March 4, 2009 for the detection of lead in surface soil (0 to 1 foot in depth) at the WFE5 area of the soccer field at Walsh Field of New Bedford High School (NBHS), an IH evaluation has been performed. The potential IH condition was discovered during additional investigation to delineate the extent of elevated levels of lead, cadmium and polycyclic aromatic hydrocarbons (PAHs) in soil at the soccer field area and to determine the extent of potential soil removal necessary to achieve a condition of no significant risk for the top three feet of soil within this area. The WFE5 sampling location had been identified as one of three areas requiring further delineation sampling within the soccer field area.

The protocol for the delineation sampling called for the collection of four "inner ring" soil samples (0 to 1 foot and 1 to 3 feet in depth) four feet away from the original WFE5 sampling location to the north, east, south and west (designated "A" through "D"). The protocol further called for the collection of four additional "outer ring" samples eight feet from the original WFE5 sampling location (designated "E" through "H"). "Outer ring" samples were also collected from the 0 to 1 and 1 to 3 feet intervals. All samples were collected on February 23, 2009 and the "inner ring" samples were authorized for lead, cadmium and PAH analysis. The "outer ring" samples were held at the laboratory, pending the results of the "inner ring" sample analysis.

Cadmium and PAH concentrations in the four "inner ring" surface soil samples were below the Massachusetts Department of Environmental Protection (MassDEP) background concentration for natural soil. Lead concentrations were below the Method 1 S-1/GW-2 and S-1/GW-3 standards (300 mg/kg) at three of the four "inner ring" surface soil locations (WFE5-B through WFE5-D). However, at location WFE5-A, a concentration of 3,360 mg/kg was detected in the 0 to 1 foot interval. Due to the detection of lead at a level more than 10-fold the Method 1 S-1 standard at the WFE5-A location, the potential IH condition was reported and the "outer ring" samples were immediately authorized for analysis to determine the extent of the elevated surficial lead.

Lead concentrations in 0 to 1 foot samples WFE5-E through WFE5-H, reported by the laboratory on March 6, 2009, were less than the Method 1 S-1 standard of 300 mg/kg, with a maximum detected concentration of 220 mg/kg. Four additional locations were sampled to the north of WFE5-E at two foot step-out intervals (WFE5-I through WFE5-L) on March 11, 2009, primarily to delineate lead in the 1 to 3 foot interval. However, lead concentrations in the four 0 to 1 foot samples were also below Method 1 S-1 standards, confirming that the extent of the surficial lead had been delineated.

This IH evaluation reflects surface soil sampling conducted to date for the soccer field. The surface soil sample results are provided in Table 1. Surface soil contaminants of potential

concern (COPCs) were selected for the WFE5 area by comparing maximum detected concentrations of cadmium, lead and PAHs to MassDEP background concentrations for natural soils. Only lead exceeded its MassDEP background concentration and was selected as a COPC for further evaluation.

Because the maximum detected concentration (3,360 mg/kg) is more than 10-fold greater than the Method 1 S-1 standard, averaging of the 0 to 1 foot lead concentrations from the WFE5 area is not appropriate. Therefore, the maximum detected concentration or a 95 percent upper confidence limit (95% UCL) on the arithmetic mean concentration may be used as the exposure point concentration to determine whether an IH condition exists at the site. However, due to the variability in the data set, the calculated 95% UCL was greater than the maximum detected concentration. Therefore, the maximum detected concentration was used as the EPC.

The area of concern is the soccer field, used for practices and games during the soccer season. The soccer field may also be used by other teams as a practice area during the spring and fall sport seasons (e.g., for field hockey practice). Walsh Field, which houses the soccer field and other athletic fields, is secured by a fence, limiting access only to those with permission to use the fields. For the purposes of this IH evaluation, exposures are assumed to occur during the sport season which consists of 3 weeks of pre-season practice, the 12-week season, and a 3-week post-season playoff time period. During this 18-week period, exposures are assumed to occur 5 days per week (4 practice days and one game day) for 4 hours per day. These values are conservative because their use assumes that: (1) no time is spent at a different field; (2) no cancellation of practice due to inclement weather; and (3) children are at the field for 4 hours per day, which is likely to only occur on game days since practices are for less than 4 hours each day.

To estimate exposures, a young child (age 1 to 6) was selected for evaluation because this age group may be present at the field, accompanying parents who are spectators at the practices and games. Incidental ingestion of and dermal contact with lead-impacted soils are assumed to occur while the young child plays at the field. The inhalation of fugitive dust generated while the older children practice or play the sport is also considered a complete exposure pathway. Older children engaging in the sport are also exposed, but a young child is evaluated as the most sensitive receptor due to their higher soil intake rate, lower body weight, and sensitive developmental stage.

Exposure assumptions applicable to the young child are provided on the risk calculation spreadsheets (Tables 2 through 5). Exposure assumptions selected for use are consistent with those used by MassDEP in the park visitor IH short-form, adjusted to be applicable to the 18-week exposure period of concern. For the fugitive dust pathway, methods and assumptions consistent with the MassDEP Technical Update "Characterization of Risks Due to Inhalation of Particulates by Construction Workers" (July 2008) were used including a PM_{10} of $60 \mu\text{g}/\text{m}^3$. Inhalation rates used are age-specific values provided by MassDEP in the 1995 risk assessment guidance document.

The Hazard Quotient of 20 exceeds the MCP IH limit of 10. The IH is identified at the WFE5 area of the soccer field primarily due to the ingestion of lead-containing surface soil. However,

the excavation of surface soil in the vicinity of WFE5-A would mitigate the IH condition since all remaining surface soil lead concentrations in this area are below the Method 1 standards. The excavation was conducted on March 13, 2009 and an IH condition no longer exists at the soccer field area in the vicinity of WFE5.

Analysis	Analyte	Depth 0-1 03/11/09	WFE-5-J	WFE-5-K	WFE-5-L
			0-1 03/11/09	0-1 03/11/09	0-1 03/11/09
PAHs (mg/kg)	Benzo(a)anthracene		NA	NA	NA
	Benzo(a)pyrene		NA	NA	NA
	Benzo(b)fluoranthene		NA	NA	NA
	Chrysene		NA	NA	NA
	Fluoranthene		NA	NA	NA
	Phenanthrene		NA	NA	NA
	Pyrene		NA	NA	NA
Metals, total (mg/kg)	Cadmium		NA	NA	NA
	Lead		108	142	219

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million

NA - Sample not analyzed for the listed analyte.

U - Compound was not detected at specified quantitation limit

Values in **Bold** indicate the compound was detected.

Boxed values exceed MassDEP natural soil background concentrations

Values shown in Bold and shaded type exceed one or more

PAHs - Polynuclear Aromatic Hydrocarbons.

Table 2
Park User - Child
Incidental Ingestion of Surface Soil
Walsh Field - WFES-A (0-1')
New Bedford, Massachusetts

Constituent	EPC	Exposure Estimates			Toxicity Values		Risk Estimates		
	Surface Soil Concentration (mg/kg)	RAF Ingestion Cancer (-)	LADD Cancer (mg/kg-d)	RAF Ingestion Noncancer (-)	ADD Noncancer (mg/kg-d)	Cancer Slope Factor (Oral) (mg/kg-d) ⁻¹	Subchronic Noncancer Reference Dose (Oral) (mg/kg-d)	Cancer Risk (-)	Hazard Quotient (-)
Metals 7439-92-1 Lead	3360	NC	NA	5.0E-01	1.1E-02	NA	7.5E-04	NA	1.5E+01

	Cancer Risk	Hazard Index
TOTAL:	0E+00	1.5E+01

NA = Not Applicable
 NC = No Criteria
 Where:

$LADD_{cancer} = \{Soil\ Concentration \times UC \times RAF \times IR \times EF \times ED \times EP\} / \{BW \times APE_{cancer}\}$
 $ADD_{non-cancer} = \{Soil\ Concentration \times UC \times RAF \times IR \times EF \times ED \times EP\} / \{BW \times APE_{non-cancer}\}$
 Cancer Risk = $LADD_{cancer} \times Slope\ Factor$
 Hazard Quotient = $ADD_{non-cancer} / Reference\ Dose$
 Unit Conversion (UC) = 1.0E-06 kg/mg
 Relative Absorption Factor (RAF) = CS (unitless) [1]
 Ingestion Rate (IR) = 100 mg/d [1]
 Exposure Duration (ED) = 1 day/event [1]
 Exposure Frequency (EF) - Noncancer = 0.714 event/day [2] - 5 days/week
 Exposure Frequency (EF) - Cancer = 0.247 event/day [2] - 5 days/week for 18 weeks
 Exposure Period (EP) - Noncancer = 0.345 years [2] - 18 weeks
 Exposure Period (EP) - Cancer = 5 years [1]
 Body Weight (BW) - Noncancer = 10.7 kg (1-2 year old) [1]
 Body Weight (BW) - Cancer = 15 kg (1-6 year old) [1]
 Averaging Period Cancer (AP_{cancer}) = 70 years [1]
 Averaging Period Noncancer (AP_{noncancer}) = 0.345 years [2]

Bold = Cancer Risk > 1.0E-05 or Hazard Quotient > 1.0E+00

[1] MassDEP, 2007; Park User Soil Imminent Hazard Short-form
 [2] Site-specific information for practices and games during 18-week sport season (includes pre-season and playoffs)

Table 3
 Park User - Child
 Dermal Contact with Surface Soil
 Walsh Field - WFES-A (0-1*)
 New Bedford, Massachusetts

Constituent	EPC	Exposure Estimates				Toxicity Values		Risk Estimates	
	Surface Soil Concentration (mg/kg)	RAF Dermal Cancer (-)	LADD Cancer (mg/kg-d)	RAF Dermal Noncancer (-)	ADD Noncancer (mg/kg-d)	Cancer Slope Factor (Oral) (mg/kg-d) ⁻¹	Subchronic Noncancer Reference Dose (Oral) (mg/kg-d)	Cancer Risk (-)	Hazard Quotient (-)
Metals 7439-92-1 Lead	3360	NC	NA	0.006	7.9E-04	NA	7.5E-04	NA	1.0E+00

NA = Not Applicable
 NC = No Criteria

Where:

LADD_{non-cancer} = Soil Concentration x UC1 x SA x SAF x RAF x EF x ED x EP / (BW x AP_{non-cancer})
 ADD_{non-cancer} = Soil Concentration x UC1 x SA x SAF x RAF x EF x ED x EP / (BW x AP_{non-cancer})
 Cancer Risk = LADD_{cancer} x Slope Factor
 Hazard Quotient = ADD_{non-cancer} / Reference Dose

Unit Conversion (UC1) =	1E-06	kg/mg
Skin Surface Area (SA) - Noncancer =	1670	cm ² /d [1] - (1-2 year old)
Skin Surface Area (SA) - Cancer =	2231	cm ² /d [1] - (1-6 year old)
Soil Adherence Factor (SAF) =	0.35	mg/cm ² [1]
Relative Absorption Factor (RAF) =	CS	(unitless) [1]
Exposure Duration (ED) =	1	day/event [1]
Exposure Frequency (EF) - Noncancer =	0.714	event/day [2] - 5 days/week
Exposure Frequency (EF) - Cancer =	0.247	event/day [2] - 5 days/week for 18 weeks
Exposure Period (EP) - Noncancer =	0.345	years [2] - 18 weeks
Exposure Period (EP) - Cancer =	5	years [1]
Body Weight (BW) - Noncancer =	10.7	kg (1-2 year old) [1]
Body Weight (BW) - Cancer =	15	kg (1-6 year old) [1]
Averaging Period Cancer (AP _{cancer}) =	70	years [1]
Averaging Period Noncancer (AP _{non-cancer}) =	0.345	years [2]

[1] MassDEP, 2007; Park User Soil Imminent Hazard Short-form
 [2] Site-specific information for practices and games during 18-week sport season (includes pre-season and playoffs)

	Cancer Risk	Hazard Index
TOTAL:	0E+00	1.0E+00

Bold = Cancer Risk > 1.0E-05 or Hazard Quotient > 1.0E+00

Table 4
Visitor - Young Child
Inhalation of Fugitive Dusts - Exposure Via the Lungs
Walsh Field - WFE5-A (0-1')
New Bedford, Massachusetts

Constituent	Surface Soil Concentration (mg/kg)	Exposure Estimates		Toxicity Values		Risk Estimates	
		L.ADE _{10h} Cancer (ug/m ³)	ADE ₃₆₅ Noncancer (ug/m ³)	Unit Risk Factor (Inh) (ug/m ³) ⁻¹	Subchronic Reference Conc. (Inh) (ug/m ³)	Cancer Risk (-)	Hazard Risk Quotient (-)
Metals 7439-92-1 Lead	3360	1.5E-03	5.0E-02	NA	1.0E+00	NA	5.0E-02

NA = Not Applicable

Where:

L.ADE_{10h}cancer = (OHM x 0.5 X PM10 x IR x RAF x EF x ED x EP x UC1 / (APcancer x BW)) x (BW assumed/IR assumed)
 ADE₃₆₅non-cancer = (OHM x 0.5 X PM10 x IR x RAF x EF x ED x EP x UC1 / APnon-cancer x BW) x (BW assumed/IR assumed)
 Cancer Risk = L.ADE_{10h}cancer x Cancer Slope Factor
 Hazard Quotient = ADE₃₆₅non-cancer / Reference Dose

Cancer Risk	Hazard Index
TOTAL: 0E+00	5E-02

Bold = Cancer Risk > 1.0E-05 or Hazard Quotient > 1.0E+00

Respirable Dust (PM ₁₀) =	60	ug/m3 [4]
Relative Absorption Factor (RAF) =	1	unitless
Inhalation Rate (IR) - Noncancer (1-2 year old) =	8.92	l/min [4] - heavy exertion; 1-2 year old
Inhalation Rate (IR) - Cancer (1-6 year old) =	14.77	l/min [4] - heavy exertion; 1-6 year old
Exposure Frequency (EF) - Noncancer =	0.714	event/day [5] - 5 days/week
Exposure Frequency (EF) - Cancer =	0.247	event/day [5] - 5 days/week for 18 weeks
Exposure Duration (ED) =	4	hours/event [3]
Exposure Period (EP) - Noncancer =	126	days [5] - 18 weeks
Exposure Period (EP) - Cancer =	1825	days [1]
Body Weight (BW) - Noncancer =	10.7	kg (1-2 year old) [1]
Body Weight (BW) - Cancer =	14.8	kg (1-6 year old) [1]
Averaging Period Cancer (AP _{cancer}) =	25550	days [1]
Averaging Period Noncancer (AP _{noncancer}) =	126	days [5]
Inhalation Rate assumed (IR assumed) =	20	m ³ /day [2] - for adjustment of toxicity value
Body Weight (BW assumed) =	70	kg [2] - for adjustment of toxicity value
Unit Conversion (UC) =	6.00E-11	(60 min/hour; 1 x 10 ⁻⁹ kg/ug; 0.001 m ³ /l)

[1] MassDEP, 2007; Park User Soil Imminent Hazard Short-form
 [2] MassDEP, 2008; Characterization of Risk Due to Inhalation of Particulates by Construction Workers
 [3] Professional Judgment
 [4] MassDEP, 1995; Guidance for Disposal Site Risk Characterization
 [5] Site-specific information for practices and games during 18-week sport season (includes pre-season and playoffs)

Table 5
 Visitor - Young Child
 Inhalation of Fugitive Dusts - Exposure Via the GI Tract
 Walsh Field - WFE5-A (0-1')
 New Bedford, Massachusetts

Constituent	Surface Soil Concentration (mg/kg)	Exposure Estimates				Toxicity Values		Risk Estimates	
		RAF Cancer (ng (-))	LADD _{GI(10)} Cancer (mg/kg-day)	RAF Noncancer (ng (-))	ADD _{GI(10)} Noncancer (mg/kg-day)	Cancer Slope Factor (Oral) (mg/kg-day) ⁻¹	Subchronic Noncancer Reference Dose (Oral) (mg/kg-day)	Cancer Risk (-)	Hazard Quotient (-)
Metals 7439-92-1 Lead	3360	NC	NA	5.00E-01	2.16E-05	NA	7.5E-04	NA	2.9E-02

NA = Not Applicable

Where:

LADD_{cancer} = (OIH x 1.5 X PM10 x IR x RAF x EF x ED x EP x UC1 / (APE_{cancer} x BW))
 ADDE_{non-cancer} = (OIH x 1.5 X PM10 x IR x RAF x EF x ED x EP x UC1 / APE_{non-cancer} x BW)
 Cancer Risk = LADD_{cancer} x Cancer Slope Factor
 Hazard Quotient = ADDE_{non-cancer} / Reference Dose

Respirable Dust (PM ₁₀) =	60	ug/m3 [1]
Inhalation Rate (IR) - Noncancer (1-2 year old) =	8.92	l/min [4] - heavy exertion; 1-2 year old
Inhalation Rate (IR) - Cancer (1-6 year old) =	14.77	l/min [4] - heavy exertion; 1-6 year old
Exposure Frequency (EF) - Noncancer =	0.714	event/day [5] - 5 days/week
Exposure Frequency (EF) - Cancer =	0.247	event/day [5] - 5 days/week for 18 weeks
Exposure Duration (ED) =	4	hours/event [3]
Exposure Period (EP) - Noncancer =	126	days [5] - 18 weeks
Exposure Period (EP) - Cancer =	1825	days [1]
Body Weight (BW) - Noncancer =	10.7	kg (1-2 year old)[1]
Body Weight (BW) - Cancer =	14.8	kg (1-6 year old) [1]
Averaging Period Cancer (AP _{cancer}) =	25550	days [1]
Averaging Period Noncancer (AP _{noncancer}) =	126	days [5]
Unit Conversion (UC1) =	6.00E-11	(60 min/hour; 1x 10 ⁻⁹ kg/ug; 0.001 m ³ /l)

Cancer Risk	0E+00
Hazard Index	3E-02
TOTAL:	

Bold = Cancer Risk > 1.0E-05 or Hazard Quotient > 1.0E+00

- [1] MassDEP, 2007; Park User Soil Imminent Hazard Short-form
- [2] MassDEP, 2008; Characterization of Risk Due to Inhalation of Particulates by Construction Workers
- [3] Professional Judgment
- [4] MassDEP, 1995; Guidance for Disposal Site Risk Characterization
- [5] Site-specific information for practices and games during 18-week sport season (includes pre-season and playoffs)

APPENDIX B

**SAMPLE RESULTS FROM LABORATORY
REPORTS**



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

3/3/2009
Page 2 of 27

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: ██████████

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID: 09B05243 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	██████	03/02/09	KSH	0.29			

Field Sample #: ██████████

Sample ID: 09B05240 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	██████	02/28/09	AMP	0.36			

Field Sample #: ██████████

Sample ID: 09B05241 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	██████	02/28/09	AMP	0.31			

Field Sample #: ██████████

Sample ID: 09B05244 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	██████	03/02/09	KSH	0.32			

Field Sample #: WFE-5-A (0-1)

Sample ID: 09B05250 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.75	03/02/09	KSH	0.36			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

3/3/2009
 Page 3 of 27

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-A (1-3) QC

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID: 09B05251 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.83	03/02/09	KSH	0.34			

Field Sample #: WFE-5-B (0-*)

Sample ID: 09B05254 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.31			

Field Sample #: WFE-5-B (1-3)

Sample ID: 09B05255 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.88	03/02/09	KSH	0.35			

Field Sample #: WFE-5-C (0-1)

Sample ID: 09B05248 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.56	03/02/09	KSH	0.32			

Field Sample #: WFE-5-C (1-3)

Sample ID: 09B05249 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	1.93	03/02/09	KSH	0.32			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

3/3/2009
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-D (0-1)

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID: 09B05252 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.55	03/02/09	KSH	0.35			

Field Sample #: WFE-5-D (1-3)

Sample ID: 09B05253 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.95	03/02/09	KSH	0.36			

Field Sample #: WFE-5-D5 (1-3)

Sample ID: 09B05256 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.71	03/02/09	KSH	0.34			

Field Sample #: [REDACTED]

Sample ID: 09B05257 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.29			

Field Sample #: [REDACTED]

Sample ID: 09B05258 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.29			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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650 SUFFOLK STREET
LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: L1MT-23459
Job Number: 115058

Analytical Method:
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-A (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05250 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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650 SUFFOLK STREET
LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-A (1-3) QC

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID : 09B05251 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(a)anthracene	mg/kg dry wt	0.233	03/01/09	BGL	0.225			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(b)fluoranthene	mg/kg dry wt	0.237	03/01/09	BGL	0.225			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Chrysene	mg/kg dry wt	0.296	03/01/09	BGL	0.225			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Fluoranthene	mg/kg dry wt	0.489	03/01/09	BGL	0.225			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Phenanthrene	mg/kg dry wt	0.484	03/01/09	BGL	0.225			
Pyrene	mg/kg dry wt	0.622	03/01/09	BGL	0.225			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

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 LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-B (0-1)

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID: 09B05254 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Pyrene	mg/kg dry wt	0.257	03/01/09	BGL	0.202			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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‡ = See attached chain-of-custody record for time sampled



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LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-B (1-3)

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID : 09B05255 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Naphthalene	mg/kg dry wt	0.524	03/01/09	BGL	0.233			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Pyrene	mg/kg dry wt	0.289	03/01/09	BGL	0.233			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-C (0-1)

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID : 09B05248 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	0.260	03/01/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	0.235	03/01/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	0.263	03/01/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Chrysene	mg/kg dry wt	0.290	03/01/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	0.443	03/01/09	BGL	0.212			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	0.389	03/01/09	BGL	0.212			
Pyrene	mg/kg dry wt	0.604	03/01/09	BGL	0.212			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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 LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-D (0-1)

LIMS-BAT #: LIMT-23459
 Job Number: 115058

Sample ID: 09B05252 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(a)anthracene	mg/kg dry wt	0.245	03/01/09	BGL	0.229			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(b)fluoranthene	mg/kg dry wt	0.231	03/01/09	BGL	0.229			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Chrysene	mg/kg dry wt	0.293	03/01/09	BGL	0.229			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Fluoranthene	mg/kg dry wt	0.371	03/01/09	BGL	0.229			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Phenanthrene	mg/kg dry wt	0.342	03/01/09	BGL	0.229			
Pyrene	mg/kg dry wt	0.630	03/01/09	BGL	0.229			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

3/3/2009
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-D (1-3)

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID: 09B05253 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Naphthalene	mg/kg dry wt	0.763	03/01/09	BGL	0.238			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Pyrene	mg/kg dry wt	0.314	03/01/09	BGL	0.238			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit
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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample
‡ = See attached chain-of-custody record for time sampled



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DAVID SULLIVAN
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 650 SUFFOLK STREET
 LOWELL, MA 01852

3/3/2009
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-D5 (1-3)

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID : 09B05256 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Benzo(a)anthracene	mg/kg dry wt	0.283	03/01/09	BGL	0.222			
Benzo(a)pyrene	mg/kg dry wt	0.254	03/01/09	BGL	0.222			
Benzo(b)fluoranthene	mg/kg dry wt	0.281	03/01/09	BGL	0.222			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Chrysene	mg/kg dry wt	0.338	03/01/09	BGL	0.222			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Fluoranthene	mg/kg dry wt	0.488	03/01/09	BGL	0.222			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.223	03/01/09	BGL	0.222			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Phenanthrene	mg/kg dry wt	0.514	03/01/09	BGL	0.222			
Pyrene	mg/kg dry wt	0.748	03/01/09	BGL	0.222			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit
 ND = Not Detected at or above the Reporting Limit
 NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample
 ‡ = See attached chain-of-custody record for time sampled



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LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH

LIMS-BAT #: LIMIT-23459

Date Received: 2/23/2009

Job Number: 115058

Field Sample #: [REDACTED]

Sample ID : 09B05243 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.85			

Field Sample # : [REDACTED]

Sample ID : 09B05240 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	02/28/09	AMP	1.06			

Field Sample # : [REDACTED]

Sample ID : 09B05241 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	02/28/09	AMP	0.93			

Field Sample # : [REDACTED]

Sample ID : 09B05244 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.95			

Field Sample # : WFE-5-A (0-1)

Sample ID : 09B05250 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	3360	03/02/09	KSH	1.06			

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-A (1-3) QC

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID : 09B05251 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1830	03/02/09	KSH	1.02			

Field Sample #: WFE-5-B (0-1)

Sample ID : 09B05254 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	40.7	03/02/09	KSH	0.91			

Field Sample #: WFE-5-B (1-3)

Sample ID : 09B05255 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	268	03/02/09	KSH	1.05			

Field Sample #: WFE-5-C (0-1)

Sample ID : 09B05248 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	214	03/02/09	KSH	0.96			

Field Sample #: WFE-5-C (1-3)

Sample ID : 09B05249 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	654	03/02/09	KSH	0.96			

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-D (0-1)

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID : 09B05252 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	253	03/02/09	KSH	1.03			

Field Sample #: WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1040	03/02/09	KSH	1.07			

Field Sample #: WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	254	03/02/09	KSH	1.00			

Field Sample #: [REDACTED]

Sample ID : 09B05257 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.87			

Field Sample #: [REDACTED]

Sample ID : 09B05258 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.87			

RL = Reporting Limit

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: ██████████

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID : 09B05243 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	██████	03/02/09	FD			

Field Sample # : ██████████

Sample ID : 09B05240 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	██████	03/02/09	FD			

Field Sample # : ██████████

Sample ID : 09B05241 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	██████	03/02/09	FD			

Field Sample # : ██████████

Sample ID : 09B05244 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	██████	03/02/09	FD			

Field Sample # : WFE-5-A (0-1)

Sample ID : 09B05250 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	70.9	03/02/09	FD			

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample # : WFE-5-D (0-1)

LIMS-BAT #: LIMT-23459
 Job Number: 115058

Sample ID : 09B05252 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	73.0	03/02/09	FD			

Field Sample # : WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	70.2	03/02/09	FD			

Field Sample # : WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	75.2	03/02/09	FD			

Field Sample # : ██████████

Sample ID : 09B05257 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	██████	03/02/09	FD			

Field Sample # : ██████████

Sample ID : 09B05258 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	██████	03/02/09	FD			

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES
CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 3/4/2009
 Field Sample #: WFE-5-E (0-1)

LIMS-BAT #: LIMT-23659
 Job Number: 115058

Sample ID: 09B06381 ‡Sampled: 2/23/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	91.0	03/05/09	OP	0.97			

Field Sample #: WFE-5-E (1-3)

Sample ID: 09B06382 ‡Sampled: 2/23/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	2500	03/05/09	OP	1.15			

Field Sample #: WFE-5-F (0-1)

Sample ID: 09B06385 ‡Sampled: 2/23/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	4.83	03/05/09	OP	0.90			

Field Sample #: WFE-5-F (1-3)

Sample ID: 09B06386 ‡Sampled: 2/23/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	839	03/05/09	OP	0.97			

Field Sample #: WFE-5-G (0-1)

Sample ID: 09B06379 ‡Sampled: 2/23/2009
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	100	03/05/09	OP	1.02			

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NM = Not Measured

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 3/4/2009
Field Sample #: WFE-5-G (1-3)

LIMS-BAT #: LIMIT-23659
Job Number: 115058

Sample ID : 09B06380 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	303	03/05/09	OP	0.99			

Field Sample #: WFE-5-H (0-1)

Sample ID : 09B06383 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	220	03/05/09	OP	1.04			

Field Sample #: WFE-5-H (1-3)

Sample ID : 09B06384 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Lead	mg/kg dry wt	267	03/05/09	OP	1.03			

Analytical Method:
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 3/4/2009
 Field Sample #: WFE-5-G (1-3)

LIMS-BAT #: LIMIT-23659
 Job Number: 115058

Sample ID: 09B06380 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Solids, total	%	76.0	03/05/09	FD			

Field Sample #: WFE-5-H (0-1)

Sample ID: 09B06383 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Solids, total	%	72.3	03/05/09	FD			

Field Sample #: WFE-5-H (1-3)

Sample ID: 09B06384 ‡Sampled: 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Solids, total	%	73.3	03/05/09	FD			

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 3/11/2009
 Field Sample #: WFE5I(0-1)

LIMS-BAT #: LIMIT-23844
 Job Number: 115058

Sample ID: 09B07318 ‡Sampled: 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	217	03/12/09	OP	1.12			

Field Sample #: WFE5I(1-3)

Sample ID: 09B07319 ‡Sampled: 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1250	03/12/09	OP	1.20			

Field Sample #: WFE5J(0-1)

Sample ID: 09B07320 ‡Sampled: 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	108	03/12/09	OP	1.03			

Field Sample #: WFE5J(1-3)

Sample ID: 09B07321 ‡Sampled: 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1490	03/12/09	OP	1.49			

Field Sample #: WFE5K(0-1)

Sample ID: 09B07322 ‡Sampled: 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	142	03/12/09	OP	1.07			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 3/11/2009
 Field Sample # : WFE5I(0-1)
 Sample ID : 09B07318

LIMS-BAT #: LIMIT-23844
 Job Number: 115058

‡Sampled : 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	67.1	03/12/09	FD			

Field Sample # : WFE5I(1-3)

Sample ID : 09B07319

‡Sampled : 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	62.5	03/12/09	FD			

Field Sample # : WFE5J(0-1)

Sample ID : 09B07320

‡Sampled : 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	72.9	03/12/09	FD			

Field Sample # : WFE5J(1-3)

Sample ID : 09B07321

‡Sampled : 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	50.6	03/12/09	FD			

Field Sample # : WFE5K(0-1)

Sample ID : 09B07322

‡Sampled : 3/11/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	70.1	03/12/09	FD			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 3/11/2009
 Field Sample #: WFE5K(1-3)
 Sample ID : 09B07323
 Sample Matrix: SOIL

LIMS-BAT #: LIMT-23844
 Job Number: 115058

‡Sampled : 3/11/2009
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	57.2	03/12/09	FD			

Field Sample #: WFE5L(0-1)
 Sample ID : 09B07324
 Sample Matrix: SOIL

‡Sampled : 3/11/2009
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	63.0	03/12/09	FD			

Field Sample #: WFE5L(1-3)
 Sample ID : 09B07325
 Sample Matrix: SOIL

‡Sampled : 3/11/2009
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	52.2	03/12/09	FD			

Field Sample #: WFE5Z(0-1)
 Sample ID : 09B07326
 Sample Matrix: SOIL

‡Sampled : 3/11/2009
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	69.9	03/12/09	FD			

Analytical Method:
 SM 2540G
 PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES
 CENTIGRADE.

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 NM = Not Measured

SPEC LIMIT = a client specified recommended or
 regulatory level for comparison with data to
 determine PASS (P) or FAIL (F) condition of results.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

3/12/2009
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 3/11/2009

LIMS-BAT #: LIMIT-23844
Job Number: 115058

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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3/17/2009
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Purchase Order No.:

Project Location: NEW BEDFORD, MA.
 Date Received: 3/10/2009
 Field Sample #: MW-WFES

LIMS-BAT #: LIMIT-23819
 Job Number: 115058 TASK44

Sample ID : 09B07220 ‡Sampled : 3/10/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/l	ND	03/16/09	AMP	0.0015			
Arsenic	mg/l	0.007	03/16/09	OP	0.005			
Barium	mg/l	0.0588	03/16/09	OP	0.0500			
Beryllium	mg/l	ND	03/16/09	OP	0.0020			
Cadmium	mg/l	ND	03/16/09	OP	0.0025			
Chromium	mg/l	ND	03/16/09	OP	0.005			
Lead	mg/l	ND	03/16/09	OP	0.0075			
Nickel	mg/l	ND	03/16/09	OP	0.005			
Selenium	mg/l	ND	03/16/09	OP	0.03			
Silver	mg/l	ND	03/16/09	OP	0.003			
Thallium	mg/l	ND	03/16/09	AMP	0.0005			
Vanadium	mg/l	ND	03/16/09	OP	0.025			
Zinc	mg/l	0.147	03/16/09	OP	0.010			

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LOWELL, MA 01852

3/17/2009
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Purchase Order No.:

Project Location: NEW BEDFORD, MA.

LIMS-BAT #: LIMIT-23819
Job Number: 115058 TASK44

Date Received: 3/10/2009

Field Sample #: [REDACTED]

Sample ID : 09B07219

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
PCB 1016	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB-1221	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB-1232	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB-1242	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB-1248	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB-1254	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB-1260	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB 1262	ug/l	[REDACTED]	03/13/09	JMR	0.20			
PCB 1268	ug/l	[REDACTED]	03/13/09	JMR	0.20			
Extraction Date 608/8081/8082		3/12/2009	03/13/09	JMR				

Field Sample #: MW-WFES

Sample ID : 09B07220

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
PCB 1016	ug/l	ND	03/13/09	JMR	0.20			
PCB-1221	ug/l	ND	03/13/09	JMR	0.20			
PCB-1232	ug/l	ND	03/13/09	JMR	0.20			
PCB-1242	ug/l	ND	03/13/09	JMR	0.20			
PCB-1248	ug/l	ND	03/13/09	JMR	0.20			
PCB-1254	ug/l	ND	03/13/09	JMR	0.20			
PCB-1260	ug/l	ND	03/13/09	JMR	0.20			
PCB 1262	ug/l	ND	03/13/09	JMR	0.20			
PCB 1268	ug/l	ND	03/13/09	JMR	0.20			
Extraction Date 608/8081/8082		3/12/2009	03/13/09	JMR				

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650 SUFFOLK STREET
LOWELL, MA 01852

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Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample #: [REDACTED]

LIMS-BAT #: LIMIT-23819
Job Number: 115058 TASK44

Sample ID : 09B07222 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
C9-C18 Aliphatics	ug/l	[REDACTED]	03/12/09	CJM	150			
C19-C36 Aliphatics	ug/l	[REDACTED]	03/12/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	[REDACTED]	03/12/09	CJM	100			
C11-C22 Aromatics	ug/l	[REDACTED]	03/12/09	CJM	100			
Date Extracted EPH Water		3/11/2009	03/12/09	CJM				

Field Sample #: MW-WFES

Sample ID : 09B07223 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
C9-C18 Aliphatics	ug/l	ND	03/12/09	CJM	150			
C19-C36 Aliphatics	ug/l	ND	03/12/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	ND	03/12/09	CJM	100			
C11-C22 Aromatics	ug/l	ND	03/12/09	CJM	100			
Date Extracted EPH Water		3/11/2009	03/12/09	CJM				

Field Sample #: [REDACTED]

Sample ID : 09B07224 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
C9-C18 Aliphatics	ug/l	[REDACTED]	03/13/09	CJM	150			
C19-C36 Aliphatics	ug/l	[REDACTED]	03/13/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	[REDACTED]	03/13/09	CJM	100			
C11-C22 Aromatics	ug/l	[REDACTED]	03/13/09	CJM	100			
Date Extracted EPH Water		3/11/2009	03/13/09	CJM				

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LOWELL, MA 01852

3/17/2009
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Purchase Order No.:

Project Location: NEW BEDFORD, MA.

LIMS-BAT #: LIMT-23819

Date Received: 3/10/2009

Job Number: 115058 TASK44

Field Sample #: [REDACTED]

Sample ID : 09B07219

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	[REDACTED]	03/16/09	KM	0.00010		

Field Sample #: MW-WFES

Sample ID : 09B07220

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	03/16/09	KM	0.00010		

Field Sample #: [REDACTED]

Sample ID : 09B07221

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	[REDACTED]	03/16/09	KM	0.00010		

Analytical Method:

SW846 7470

COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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3/17/2009
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Purchase Order No.:

Project Location: NEW BEDFORD, MA.
 Date Received: 3/10/2009
 Field Sample #: MW-WFES

LIMS-BAT #: LIMIT-23819
 Job Number: 115058 TASK44

Sample ID : *09B07220 ‡Sampled : 3/10/2009
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	ug/l	ND	03/14/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/14/09	BGL	5.00			
Anthracene	ug/l	ND	03/14/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Chrysene	ug/l	ND	03/14/09	BGL	5.00			
Dibenz(a,h)anthracene	ug/l	ND	03/14/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Fluorene	ug/l	ND	03/14/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/14/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/14/09	BGL	5.00			
Naphthalene	ug/l	ND	03/14/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/14/09	BGL	5.00			
Pyrene	ug/l	ND	03/14/09	BGL	5.00			
Extraction Date 625/8270		3/12/2009	03/14/09	BGL				

Analytical Method:
 625/8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

APPENDIX C

BILL OF LADING



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*

4 - 21823

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Walsh Field
 Street: Parker and Hunter Streets Location Aid: Soccer Field
 City/Town: New Bedford ZIP Code: 02740
 Date/Period of Generation: _____ to: _____
 Additional Release Tracking Numbers Associated with this Bill of Lading: _____
 *Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of New Bedford
 Name of Contact: Scott Alfonse Title: Director, Dept. of Env. Stew.
 Street: 133 William Street
 City/Town: New Bedford State: MA ZIP Code: 02740
 Telephone: (508) 979-1487 Ext.: _____

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

RP or PRP Specify: Owner Operator Generator Transporter Other RP or PRP: Municipality
 Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
 Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
 Other Person: _____
 If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: D.W. White/City of New Bedford
 Contact Person: M. White/R. Labelle Title: Owner/Commissioner
 Street: 867 Middle Road/1105 Shawmut Avenue
 City/Town: Acushnet/New Bedford State: MA ZIP Code: 02743/02746
 Telephone: (508) 951-9604 Ext.: _____

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: City of New Bedford/Shawmut Avenue Transfer Station
 Contact Person: Ronald LaBelle Title: Commissioner
 Street: Shawmut Avenue
 City/Town: New Bedford State: MA ZIP Code: 02746
 Telephone: 508-979-1556 Ext.: _____
 Type of Facility: (check one) Asphalt Batch/Cold Mix Landfill/Disposal Incinerator Temporary Storage
 Asphalt Batch/Hot Mix Landfill/Daily Cover Other: _____
 Thermal Processing Landfill/Structural Fill
 EPA Identification #: _____

Division of Hazardous Waste/Class A Permit #: _____ Division of Solid Waste Management Permit #: _____

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): <120 days to: _____

Reason for Temporary Storage:
Awaiting offsite reuse, recycling and/or disposal facility approval.

COPY



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*

4 - 21823

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: Scott Alfonse

Date: 3/11/2009

Name of Person (print): SCOTT ALFONSE



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LOWELL, MA 01852

3/5/2009
Page 1 of 5

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 3/4/2009
Field Sample # : WFE-5-E (0-1)

LIMS-BAT #: LIMIT-23659
Job Number: 115058

Sample ID : 09B06381 ‡Sampled : 2/23/2009
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	91.0	03/05/09	OP	0.97			

Field Sample # : WFE-5-E (1-3)

Sample ID : 09B06382 ‡Sampled : 2/23/2009
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	2500	03/05/09	OP	1.15			

~~Field Sample # : WFE-5-E (1-4)~~

Sample ID : 09B06385 ‡Sampled : 2/23/2009
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	 	03/05/09	OP	0.90			

~~Field Sample # : WFE-5-E (1-5)~~

Sample ID : 09B06386 ‡Sampled : 2/23/2009
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	 	03/05/09	OP	0.97			

~~Field Sample # : WFE-5-E (1-6)~~

Sample ID : 09B06379 ‡Sampled : 2/23/2009
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	 	03/05/09	OP	1.02			

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3/5/2009
Page 2 of 5

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 3/4/2009
Field Sample #: ██████████

LIMS-BAT #: LIMT-23659
Job Number: 115058

Sample ID : 09B06380 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	██████	03/05/09	OP	0.99			

Field Sample #: ██████████

Sample ID : 09B06383 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	██████	03/05/09	OP	1.04			

Field Sample #: ██████████

Sample ID : 09B06384 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	██████	03/05/09	OP	1.03			

Analytical Method:
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-A (1-3) QC

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID: 09B05251 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/kg dry wt	0.83	03/02/09	KSH	0.34		

Field Sample #: WFE-5-B (0-1)

Sample ID: 09B05254 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.31		

Field Sample #: WFE-5-B (1-3)

Sample ID: 09B05255 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/kg dry wt	0.88	03/02/09	KSH	0.35		

Field Sample #: WFE-5-C (0-1)

Sample ID: 09B05248 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/kg dry wt	0.56	03/02/09	KSH	0.32		

Field Sample #: WFE-5-C (1-3)

Sample ID: 09B05249 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/kg dry wt	1.93	03/02/09	KSH	0.32		

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3/3/2009
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-D (0-1)

LIMS-BAT #: LIMT-23459
 Job Number: 115058

Sample ID : 09B05252 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.55	03/02/09	KSH	0.35			

Field Sample #: WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.95	03/02/09	KSH	0.36			

Field Sample #: WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.71	03/02/09	KSH	0.34			

Field Sample #: WFF-5-D (0-1)

Sample ID : 09B05257 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.29			

Field Sample #: WFF-5-D (1-3)

Sample ID : 09B05258 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Cadmium	mg/kg dry wt	0.34	03/02/09	KSH	0.29			

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

3/3/2009
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: ~~WFE5-A(0-1)~~

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID : 09B05243 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	0.85	03/02/09	KSH	0.85			

Field Sample #: ~~WFE5-A(0-1)~~

Sample ID : 09B05240 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1.06	02/28/09	AMP	1.06			

Field Sample #: ~~WFE5-A(0-1)~~

Sample ID : 09B05241 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	0.93	02/28/09	AMP	0.93			

Field Sample #: ~~WFE5-A(0-1)~~

Sample ID : 09B05244 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	0.95	03/02/09	KSH	0.95			

Field Sample #: WFE-5-A (0-1)

Sample ID : 09B05250 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	3360	03/02/09	KSH	1.06			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-A (1-3) QC

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID: 09B05251 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1830	03/02/09	KSH	1.02			

Field Sample #: WFE-5-B (0-1)

Sample ID: 09B05254 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	40.7	03/02/09	KSH	0.91			

Field Sample #: WFE-5-B (1-3)

Sample ID: 09B05255 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	268	03/02/09	KSH	1.05			

Field Sample #: WFE-5-C (0-1)

Sample ID: 09B05248 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	214	03/02/09	KSH	0.96			

Field Sample #: WFE-5-C (1-3)

Sample ID: 09B05249 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	654	03/02/09	KSH	0.96			

RL = Reporting Limit

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-D (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05252 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	253	03/02/09	KSH	1.03			

Field Sample #: WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1040	03/02/09	KSH	1.07			

Field Sample #: WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	254	03/02/09	KSH	1.00			

Field Sample #: [REDACTED]

Sample ID : 09B05257 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.87			

Field Sample #: [REDACTED]

Sample ID : 09B05258 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	[REDACTED]	03/02/09	KSH	0.87			

RL = Reporting Limit

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-A (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID: 09B05250 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-A (1-3) QC

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID: 09B05251 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(a)anthracene	mg/kg dry wt	0.233	03/01/09	BGL	0.225			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(b)fluoranthene	mg/kg dry wt	0.237	03/01/09	BGL	0.225			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Chrysene	mg/kg dry wt	0.296	03/01/09	BGL	0.225			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Fluoranthene	mg/kg dry wt	0.489	03/01/09	BGL	0.225			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Phenanthrene	mg/kg dry wt	0.484	03/01/09	BGL	0.225			
Pyrene	mg/kg dry wt	0.622	03/01/09	BGL	0.225			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-B (0-1)

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID: 09B05254 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Pyrene	mg/kg dry wt	0.257	03/01/09	BGL	0.202			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
 Date Received: 2/23/2009
 Field Sample #: WFE-5-B (1-3)

LIMS-BAT #: LIMIT-23459
 Job Number: 115058

Sample ID : 09B05255 ‡Sampled : 2/23/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Naphthalene	mg/kg dry wt	0.524	03/01/09	BGL	0.233		
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.233		
Pyrene	mg/kg dry wt	0.289	03/01/09	BGL	0.233		
Extraction Date 8270		2/24/2009	03/01/09	BGL			

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-C (0-1)

Purchase Order No.:

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID : 09B05248 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	0.260	03/01/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	0.235	03/01/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	0.263	03/01/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Chrysene	mg/kg dry wt	0.290	03/01/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	0.443	03/01/09	BGL	0.212			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	0.389	03/01/09	BGL	0.212			
Pyrene	mg/kg dry wt	0.604	03/01/09	BGL	0.212			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-C (1-3)

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID: 09B05249 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	0.305	03/01/09	BGL	0.212			
Anthracene	mg/kg dry wt	2.00	03/01/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	4.03	03/01/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	3.27	03/01/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	3.77	03/01/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	0.978	03/01/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	1.36	03/01/09	BGL	0.212			
Chrysene	mg/kg dry wt	3.93	03/01/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	0.291	03/01/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	6.48	03/01/09	BGL	0.212			
Fluorene	mg/kg dry wt	0.617	03/01/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.28	03/01/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	7.96	03/01/09	BGL	0.212			
Pyrene	mg/kg dry wt	8.15	03/01/09	BGL	0.212			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-D (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID: 09B05252 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(a)anthracene	mg/kg dry wt	0.245	03/01/09	BGL	0.229			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(b)fluoranthene	mg/kg dry wt	0.231	03/01/09	BGL	0.229			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Chrysene	mg/kg dry wt	0.293	03/01/09	BGL	0.229			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Fluoranthene	mg/kg dry wt	0.371	03/01/09	BGL	0.229			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Phenanthrene	mg/kg dry wt	0.342	03/01/09	BGL	0.229			
Pyrene	mg/kg dry wt	0.630	03/01/09	BGL	0.229			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

3/3/2009
Page 14 of 27

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample #: WFE-5-D5 (1-3)

LIMS-BAT #: LIMIT-23459
Job Number: 115058

Sample ID: 09B05256 ‡Sampled: 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Benzo(a)anthracene	mg/kg dry wt	0.283	03/01/09	BGL	0.222			
Benzo(a)pyrene	mg/kg dry wt	0.254	03/01/09	BGL	0.222			
Benzo(b)fluoranthene	mg/kg dry wt	0.281	03/01/09	BGL	0.222			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Chrysene	mg/kg dry wt	0.338	03/01/09	BGL	0.222			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Fluoranthene	mg/kg dry wt	0.488	03/01/09	BGL	0.222			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.223	03/01/09	BGL	0.222			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Phenanthrene	mg/kg dry wt	0.514	03/01/09	BGL	0.222			
Pyrene	mg/kg dry wt	0.748	03/01/09	BGL	0.222			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

3/12/2009
Page 1 of 5

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 3/11/2009
Field Sample #: WFE5(0-1)
Sample ID: 09B07318

LIMS-BAT #: LIMIT-23844
Job Number: 115058

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	217	03/12/09	OP	1.12			

Field Sample #: WFE5(1-3)

Sample ID: 09B07319

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1250	03/12/09	OP	1.20			

Field Sample #: WFE5J(0-1)

Sample ID: 09B07320

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	108	03/12/09	OP	1.03			

Field Sample #: WFE5J(1-3)

Sample ID: 09B07321

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	1490	03/12/09	OP	1.49			

Field Sample #: WFE5K(0-1)

Sample ID: 09B07322

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	142	03/12/09	OP	1.07			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

3/12/2009
Page 2 of 5

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 3/11/2009
Field Sample #: WFE5K(1-3)
Sample ID : 09B07323
Sample Matrix: SOIL

LIMS-BAT #: LIMT-23844
Job Number: 115058

‡Sampled : 3/11/2009
Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	462	03/12/09	OP	1.32			

Field Sample #: WFE5L(0-1)

Sample ID : 09B07324
Sample Matrix: SOIL
‡Sampled : 3/11/2009
Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	446	03/12/09	OP	1.20			

Field Sample #: WFE5L(1-3)

Sample ID : 09B07325
Sample Matrix: SOIL
‡Sampled : 3/11/2009
Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	277	03/12/09	OP	1.44			

Field Sample #: WFE5Z(0-1)

Sample ID : 09B07326
Sample Matrix: SOIL
‡Sampled : 3/11/2009
Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	239	03/12/09	OP	1.08			

Analytical Method:
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample
‡ = See attached chain-of-custody record for time sampled
SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

4 - 21823

I. LOAD INFORMATION: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1: Date of Shipment: 3/13/09 Time of Shipment: 0925 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: L61-326 MA Trailer Registration (if any): Box 465		Date of Receipt: _____ Time of Receipt: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons): _____	
Load 2: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment: 3/13/09 Time of Shipment: 1010 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: L61-326 MA Trailer Registration (if any): Box		Date of Receipt: _____ Time of Receipt: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons): _____	
Load 3: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment: _____ Time of Shipment: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: _____ Trailer Registration (if any): _____		Date of Receipt: _____ Time of Receipt: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons): _____	
Load 4: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment: _____ Time of Shipment: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: _____ Trailer Registration (if any): _____		Date of Receipt: _____ Time of Receipt: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons): _____	
Load 5: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment: _____ Time of Shipment: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: _____ Trailer Registration (if any): _____		Date of Receipt: _____ Time of Receipt: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons): _____	
Load 6: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment: _____ Time of Shipment: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: _____ Trailer Registration (if any): _____		Date of Receipt: _____ Time of Receipt: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons): _____	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

APPENDIX D

**COPIES OF NOTIFICATION LETTERS TO CITY
OF NEW BEDFORD MAYOR AND BOARD OF
HEALTH**



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

May 1, 2009

TRC Reference Number: 115058.0000

Marianne B. De Souza
Health Department
1213 Purchase Street
First Floor
New Bedford, MA 02740

RE: Notice of Immediate Response Action Plan – Walsh Field, New Bedford,
Massachusetts; MassDEP RTN 4-21823

Ms. De Souza:

On behalf of the City of New Bedford, Massachusetts, and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of the submittal of an Immediate Response Action Plan pertaining to soils containing lead at Walsh Field in New Bedford, Massachusetts. This submittal will be made to the Massachusetts Department of Environmental Protection (MassDEP) on May 1, 2009.

A copy of this document can be obtained from David Fredette in the Department of Environmental Stewardship. If you have any questions concerning this letter please contact me at (978) 656-3565.

Sincerely,
TRC Environmental Corporation

David M. Sullivan, CHMM, LSP
Sr. Project Manager

Cc: David Fredette, New Bedford Department of Environmental Stewardship



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

May 1, 2009

TRC Reference Number: 115058.0000

Mayor Scott W. Lang
City Hall, Room 311
133 William Street
New Bedford, MA 02740

RE: Notice of Immediate Response Action Plan – Walsh Field, New Bedford,
Massachusetts; MassDEP RTN 4-21823

Mayor Lang:

On behalf of the City of New Bedford, Massachusetts, and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of the submittal of an Immediate Response Action Plan pertaining to soils containing lead at Walsh Field in New Bedford, Massachusetts. This submittal will be made to the Massachusetts Department of Environmental Protection (MassDEP) by May 1, 2009.

A copy of this document can be obtained from David Fredette in the Department of Environmental Stewardship. If you have any questions concerning this letter please contact me at (978) 656-3565.

Sincerely,
TRC Environmental Corporation

A handwritten signature in cursive script that reads "David M. Sullivan".

David M. Sullivan, CHMM, LSP
Sr. Project Manager

Cc: David Fredette, New Bedford Department of Environmental Stewardship

APPENDIX E

DUST MONITORING RESULTS

TrakPro Version 3.6.2 ASCII Data File

Model:,Dust Trak
Model Number:,8520
Serial Number:,85200726
Test ID:,001
Test Abbreviation:
Start Date:,03/13/2009
Start Time:,06:58:56
Duration (dd:hh:mm:ss):,00:02:47:00
Time constant (seconds):,60
Log Interval (mm:ss):,01:00
Number of points:,167
Notes:,

Statistics,Channel:,Aerosol
,Units:,mg/m³
,Average:,0.021
,Minimum:,0.006
,Time of Minimum:,09:43:56
,Date of Minimum:,03/13/2009
,Maximum:,0.672
,Time of Maximum:,07:00:56
,Date of Maximum:,03/13/2009

Calibration,Sensor:,Aerosol
,Cal. date,02/11/2009

Date,Time,Aerosol
MM/dd/yyyy, hh:mm:ss,mg/m³
03/13/2009,06:59:56,0.114
03/13/2009,07:00:56,0.672
03/13/2009,07:01:56,0.056
03/13/2009,07:02:56,0.013
03/13/2009,07:03:56,0.011
03/13/2009,07:04:56,0.009
03/13/2009,07:05:56,0.009
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03/13/2009,07:13:56,0.011
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03/13/2009,07:15:56,0.011
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03/13/2009,07:17:56,0.014
03/13/2009,07:18:56,0.045
03/13/2009,07:19:56,0.298
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CF 3-13-09.txt

03/13/2009,09:39:56,0.008
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03/13/2009,09:41:56,0.007
03/13/2009,09:42:56,0.007
03/13/2009,09:43:56,0.006
03/13/2009,09:44:56,0.007
03/13/2009,09:45:56,0.007

APPENDIX F
BORING LOGS



Wannalancit Mills
 650 Suffolk Street
 Lowell MA
 Telephone: 978-970-5600
 Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-A FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 4' North of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/38		S-1		14" Brown to gray fine to medium SAND, some silt, trace fine gravel.	0.0	WFE5-A (0-1) 1155	No Monitoring Well Installed
2						20" FILL (coal, slag, ash, trace concrete, cinders, coal).		WFE5-A (1-3) 1200	
3							plus MS/Dup		
4						4" Organic PEAT.			
						End of Boring @ 4 feet			



Wannalancit Mills
 650 Suffolk Street
 Lowell MA
 Telephone: 978-970-5600
 Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-B FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 4' East of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		48/40		S-1		10" Brown fine to medium SAND, some silt, trace organic topsoil and grass.		WFE5-B (0-1) 1350	No monitoring Well Installed
1						4" Gray fine to medium SAND.	0.0		
						6" Tan fine to coarse SAND, trace fine gravel.			
2						20" FILL (tan ash, coal slag, cinders, glass), some fine to coarse sand throughout, wet at bottom.		WFE5-B (1-3) 1355	
3								WFE5-D5 (1-3) (DUP) 1255	
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-C FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 3.5
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 4' South of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 3.5 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		48/36		S-1		8" Brown fine to medium SAND, some silt, trace grass at surface.		WFE5-C (0-1) 1140	No Monitoring Well Installed
1						22" Tan-black-gray FILL (slag, glass, concrete, ash, cinders, coal), rusty and wet at ~3.5'.	0.0		
2								WFE5-C (1-3) 1145	
3						6" Organic PEAT, moist.			
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-D FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 3.5
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 4' West of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 3.5 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/34		S-1		10" Brown fine to medium SAND, some silt, trace fine gravel, grass at surface.		WFE5-D (0-1) 1335	No Monitoring Well Installed
2						24" FILL (tan ash, cinders, slag, coal, glass), some fine to coarse sand, trace fine gravel, wet at bottom.	0.0	WFE5-D (1-3) 1340	
3									
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-E FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 3.5
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 8' North of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 3.5 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/38		S-1		12" Brown to gray fine to medium SAND, some silt, trace fine gravel.	0.0	WFE5-E (0-1) HOLD 1210	No Monitoring Well Installed
2						24" Gray to tan to black FILL (bricks, ash, concrete, cinders, slag, rusty areas), bottom moist to wet.		WFE5-E (1-3) HOLD 1215	
3						2" Dark brown PEAT.			
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-F FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 11' East of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		48/34		S-1		4" Brown fine to medium SAND, some topsoil, silt.		WFE5-F (0-1) HOLD 1410	No Monitoring Well Installed
1						6" Gray fine to medium SAND, some fine gravel.	0.0		
2						8" Brown fine to coarse SAND, some silt, trace fine gravel.			
3						16" Tan FILL (ash, cinders, coal, glass), fine to coarse sand, some fine gravel.		WFE5-F (1-3) HOLD 1415	
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-G FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 8' South of WFE5 (see log book) GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		48/40		S-1		6" Dark-brown organic TOPSOIL, SILT and fine to medium SAND.		WFE5-G (0-1) 1125	No Monitoring Well Installed
1						12" Brown to gray fine to coarse SAND, some fine gravel.	0.0		
2						18" Tan to rusty FILL (ash, cinders, slag, glass, coal), moist.		WFE5-G (1-3) 1135	
3						4" Rusty to brown organic PEAT, moist.			
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-H FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 2/23/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 8' West of WFE5 GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb Cd and PAH. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		48/36		S-1		10" Brown fine to medium SAND, some silt, topsoil and grass at surface.		WFE5-H (0-1) HOLD 1320	No Monitoring Well Installed
1						26" Tan to black FILL (coal, ash, slag, cinders, glass), some fine to coarse sand, wet at bottom.	0.0		
2								WFE5-H (1-3) HOLD 1325	
3									
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-1 FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Keith Precious DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 3/11/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 2' North of WFE5-E GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb, Duplicate sample WFE-5-Z (0-1) collected at WFE-5-I(0-1) location. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		48/40		S-1		8" Brown fine to coarse SAND, some silt and organic topsoil, trace grass.		WFE5-I (0-1) 1400	No Monitoring Well Installed
1						30" FILL and fine to coarse SAND (ash, slag, glass, coal, cinders), wet at bottom.	0.0	WFE5-Z (0-1) 1300	
2								WFE5-I (1-3) 1405	
3						2" Organic PEAT, moist.			
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-J FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Keith Precious DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 3/11/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 4' North of WFE5-I GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		48/40		S-1		10" Brown TOPSOIL and fine to coarse SAND, trace grass, trace fine gravel, trace gray sand at 8 inches.		WFE5-J (0-1) 1415	No Monitoring Well Installed
1						26" FILL (ash, coal, slag, cinders, trace glass), some fine to coarse sand, wet at bottom.	0.0		
2							WFE5-J (1-3) 1420		
3						4" Organic PEAT, moist.			
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-K FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Keith Precious DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 3/11/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 2' North of WFE5-J GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		48/36		S-1		6" TOPSOIL, fine to coarse sand, trace grass and roots.		WFE5-K (0-1) 1430	No Monitoring Well Installed
1						30" FILL (slag, ash, coal, cinders), wet at bottom (perched).	0.0		
2							WFE5-K (1-3) 1435		
3									
4						End of Boring @ 4 feet			



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER WFE5-L FILTER PACK TYPE N/A
 TRC GEOLOGIST C. Foster SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Keith Precious DEPTH TO WATER (Approximate Feet) 4
 DATE DRILLED 3/11/09 TOTAL DEPTH (Feet) 4
 LOCATION Walsh Field - 2' North of WFE5-K GROUND ELEVATION (Feet, NAVD 88) _____
 SAMPLING METHOD 48" Macrocore Continuous REFERENCE ELEVATION (Feet, NAVD 88) N/A
 DRILLING METHOD 5400 Truck
 NOTES Sampled for Pb. Note that groundwater is considered perched at 4 feet.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		48/38		S-1		8" Brown fine to coarse SAND, some silt, some brown organic topsoil and grass.		WFE5-L (0-1) 1445	No Monitoring Well Installed
1						30" FILL (ash, coal, slag, cinders, trace glass).	0.0		
2								WFE5-L (1-3) 1450	
3									
4						End of Boring @ 4 feet			